

CITY OF SOMERVILLE

MASSACHUSETTS

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1904

With Mayor's Inaugural Address

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INAUGURAL ADDRESS

DELIVERED BY

HON. LEONARD B. CHANDLER, MAYOR,

MONDAY, JANUARY 2, 1905.

GENTLEMEN OF THE BOARD OF ALDERMEN:—

Somerville is a city of which much may well be said. Each one of our municipal departments has done and is doing work that is both interesting and profitable for us to consider. But the records of this work will be found in detail in the forthcoming annual reports.

I have decided, therefore, to condense as much as possible the story of the past year's work, and shall endeavor to give you, apart from the usual financial statement, which will be printed, but not read at this time in full, a brief summary of the chief items of interest, together with some recommendations for your consideration.

This method is a departure from my own course of one year ago, and also from that followed by my predecessors for a long time, but is in accord, I find, with that pursued by the mayors of many cities in their inaugural addresses or annual messages.

In brief, the year just closed has been another one of advancement for our honored municipality. It has grown in population, in wealth, and in beauty.

Funded Debt.

The total funded debt of the city January 1, 1904, was \$1,505,500. This debt was increased during the year \$132,500. It was decreased \$139,500, leaving the net funded debt January 1, 1905, \$1,498,500, a net decrease of \$7,000.

Taxable Property.

The total amount of taxable property is \$58,137,900, of which \$51,836,200 is real estate, and \$6,301,700 is personal estate, including non-resident bank shares. At a rate of \$17.20 on each \$1,000 of valuation, the tax is \$999,971.88. There are 19,203 polls at \$2.00, making \$38,406. We received from street watering \$20,914.68, making the total tax levy \$1,059,292.56. The total number of persons assessed, resident and non-resident, was 26,466.

Of the amount received in taxes, \$157,000 is required for the debt provisions; \$165,201.88 are state and county taxes, metropolitan sewer, etc., matters over which the city has no control; \$346,500 is used for current expenses of departments, over which the board of aldermen has no control; \$331,270 is the amount for current expenses within control of the board of aldermen. The same statement, based upon the \$17.20 per thousand, is as follows: Of each \$17.20, \$2.84 is for state, county, and metropolitan taxes; \$2.70 for debt requirements; \$5.96 for current expenses, over which the board of aldermen has no control; \$5.70, current expenses within control of the board of aldermen.

In addition to the amount received from taxes, there was available last year the sum of \$216,847.65 on water income account; we received \$27,683.77 from corporation and bank taxes; from the clerk of the courts, \$4,189.30; from the county treasurer, for dog licenses, \$4,193.50; from the state, the street railway tax, \$43,655.40; and from the Boston Elevated Railway tax, \$7,965.91; a total of \$304,535.53, making the total amount available from taxes and from other sources, \$1,363,828.09.

The estimated borrowing capacity of the city January 1, 1905, was \$141,000. By the first of October this will be increased \$120,500, making a total borrowing capacity of \$261,500.

The City's Finances.

Funded Debt.—The funded debt of the city January 1, 1904, was as follows:—

Funded Debt, City Loan	\$1,108,500 00
Funded Debt, Sewer Loan	203,000 00
Funded Debt, Paving Loan	45,000 00
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Amount carried forward	\$1,356,500 00

Amount brought forward . . .	\$1,356,500 00
Funded Debt, Water Loan . . .	123,000 00
Funded Debt, Metropolitan Park Assessment Loan . . .	26,000 00
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	\$1,505,500 00

The debt was increased during the year by appropriations made by the board of aldermen as follows:—

Public Buildings Construction:—	
Dormitory at City Home . . .	\$6,000 00
Engine House in Ward Two . . .	4,000 00
Primary School Building (to relieve the schools in Ward Six) . . .	30,000 00
Public Grounds:—	
Completion of Prospect Hill Park . .	2,000 00
Highways:—	
Construction . . .	10,000 00
Paved Gutters and Crossings . .	14,000 00
Paving Broadway, Bow and Summer Streets . . .	21,500 00
Sidewalks Construction . . .	10,000 00
Sewers Construction . . .	25,000 00
Renewal of Funded Debt . . .	10,000 00
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Amount borrowed during the year .	\$132,500 00

The debt was reduced during the year by payments as follows:—

Funded Debt, City Loan . . .	\$107,500 00
Funded Debt, Sewer Loan . . .	11,000 00
Funded Debt, Paving Loan . . .	5,000 00
Funded Debt, Water Loan . . .	15,000 00
Funded Debt, Metropolitan Park Assessment Loan . . .	1,000 00
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Amount paid during the year . . .	\$139,500 00

Leaving the funded debt of the city January 1, 1905, \$1,498,500 (a decrease of \$7,000 from the previous year), classified as follows:—

City Loan bonds bearing interest at 3½ per cent.	\$299,000 00
City Loan bonds bearing interest at 4 per cent.	809,500 00
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Amount carried forward . . .	\$1,108,500 00

Amount brought forward	\$1,108,500 00
City Loan Sewer bonds bearing interest at 3½ per cent.	50,000 00
City Loan Sewer bonds bearing interest at 4 per cent.	160,000 00
City Loan Sewer bonds bearing interest at 4½ per cent.	7,000 00
City Loan Paving bonds bearing interest at 4 per cent.	40,000 00
Water Loan bonds bearing interest at 4 per cent.	98,000 00
Water Loan bonds bearing interest at 5½ per cent.	10,000 00
Metropolitan Park Assessment Loan bonds bearing interest at 3½ per cent.,	25,000 00
Total Funded Debt January 1, 1905 .	\$1,498,500 00

The foregoing amount represents the net indebtedness of the city, the unfunded liabilities for the temporary loans, etc., being equaled by its assets, which consist of uncollected taxes, sewer and sidewalk assessments, etc.

Taxes.—The assessors' warrant for the tax levy assessed upon the polls and estates of the inhabitants, as of May 1, 1904, was duly submitted to the collector.

The total amount of taxable property was \$58,137,900, and the rate established was \$17.20 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$51,836,200 00
Personal estate, valuation	6,220,500 00
Non-resident bank shares	81,200 00
Total valuation	\$58,137,900 00
At a rate of \$17.20 on each \$1,000 valuation	999,971 88
Polls, 19,203 at \$2	38,406 00
Street watering	20,914 68
Total amount of tax levy	\$1,059,292 56
Total number of persons assessed, resident and non-resident, 26,466.	

Appropriations.—The amount of revenue provided by the tax levy may properly be classified as follows:—

	Rates assessed on \$1,000 valuation.	Amount.
For current expenses within the control of the board of aldermen	\$5 70	\$331,270 00
Current expenses of depart- ments over which the board of aldermen has no control	5 96	346,500 00
Debt requirements	2 70	157,000 00
State and county taxes, met- ropolitan sewer and park assessments, national bank tax, and Overlay account,	2 84	165,201 88
For total amount on a valuation of \$58,137,900 at \$17.20		\$999,971 88
Poll taxes assessed, credited to state and county		38,406 00
Street watering, in excess of amount ap- propriated		20,914 68
Total amount of tax levy		\$1,059,292 56

The appropriations to the various accounts were as follows:—

ACCOUNTS WITHIN THE CONTROL OF THE BOARD OF ALDERMEN.

Assessors	\$10,200 00
City Auditor	750 00
City Clerk	6,100 00
City Engineer	11,900 00
City Messenger	2,300 00
City Solicitor	2,300 00
City Treasurer	9,500 00
Clerk of Committees and Departments	4,400 00
Contingent Fund	3,600 00
Election Expenses:—	
City Clerk	1,700 00
Commissioner of Public Buildings	1,000 00
Pay of Election Officers	3,000 00
Registrars of Voters	1,600 00
Electrical Department	7,250 00
Excess and Deficiency	8,401 43
Executive Department	3,900 00
Fire Department	23,900 00
Amount carried forward	\$101,801 43

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Amount brought forward . . .	\$101,801 43
Highways:—	
Maintenance	5,375 00
Removing Brown-tail Moths . . .	3,000 00
Shade Trees	500 00
Tree Guards	1,000 00
Inspection of Buildings	4,100 00
Military Aid	1,000 00
Police	33,000 00
Printing and Stationery	2,500 00
Public Buildings Maintenance:—	
City Hall	4,200 00
City Hall Annex	800 00
Fire Department	4,900 00
Health Department	375 00
Highways	250 00
Police	3,200 00
Public Grounds	50 00
Public Library	4,500 00
Schoolhouses	51,643 57
Sewer Department	50 00
Support of Poor	600 00
Water Department	325 00
Public Grounds	11,000 00
Sealer of Weights and Measures . .	1,100 00
Sidewalks Maintenance	6,000 00
Soldiers' Relief	20,000 00
Somerville Hospital	5,000 00
Street Lights	65,000 00

Total amount assessed on a valuation
of \$58,137,900, at \$5.70 . . . \$331,270 00

ACCOUNTS OVER WHICH THE BOARD OF ALDERMEN HAS NO CONTROL.

Health Department	\$40,000 00
Public Library	15,000 00
School Contingent	24,000 00
School Teachers' Salaries	249,500 00
Support of Poor, City Home	4,000 00
Support of Poor, Miscellaneous . .	14,000 00

Total amount assessed on a valuation
of \$58,137,900, at \$5.96 . . . \$346,500 00

ACCOUNTS PROVIDING FOR DEBT REQUIREMENTS.

Interest	\$53,500 00
Reduction of Funded Debt	103,500 00

Total amount assessed on a valuation
of \$58,137,900, at \$2.70 . . . \$157,000 00

PROVIDING FOR STATE AND COUNTY TAXES, ETC.

State Tax	\$44,000 00	
Deduct one-half of poll taxes	19,203 00	
		\$24,797 00
County Tax	\$59,484 41	
Deduct one-half of poll taxes,	19,203 00	
		40,281 41
Metropolitan Sewer Assessment		50,404 54
Metropolitan Park Assessment		24,033 70
National Bank Tax		1,396 64
Overlay and Abatement		20,298 46
Armory Tax		3,990 13
Total amount assessed on a valuation of \$58,137,900, at \$2.84		\$165,201 88

In addition to the above, the following appropriations were made from the various income accounts:—

From the Income of the Water Works:—

Water Maintenance	\$25,429 35
Water Loan Interest	4,850 00
Water Works Extension	19,282 13
Water Works, Abatements on Water Charges	982 91
Interest on Sewer Loan Bonds	7,705 00
Sewers Maintenance	11,800 00
Fire Department	34,061 33
Reduction of Funded Debt, Sewer Loan Bonds	11,000 00
Reduction of Funded Debt, Water Loan Bonds	15,000 00
Metropolitan Water Assessment	86,736 93
Total	\$216,847 65

From the Income from the State and County:—

Police, the amount received from the state for corporation taxes	\$22,934 84
Police, the amount received from the state for bank taxes	4,748 93
Police, the amount received from the clerk of the courts for fines, costs, etc.	4,189 30
Public Library, the amount received of the county for dog licenses	4,193 50
Highways Maintenance, from Boston Elevated Railway tax	7,965 91
Amount carried forward	\$44,032 48

Amount brought forward	\$44,032 48
Highways Maintenance, from street rail- way tax	43,655 40
Total	\$87,687 88
Total from water income and from state and county	\$304,535 53

The aggregate appropriations from the tax levy and from income were as follows:—

From tax levy	\$1,059,292 56
From income	304,535 53
	\$1,363,828 09

The following tables, giving a condensed history of the city's finances, are herewith presented for reference:—

YEAR.	Amount of Funded Debt.	Increase of Funded Debt.	Reduction of Funded Debt.	Tax Rate per \$1,000 Valuation on Account of Reduction of Funded Debt.
Town	\$593,349			
Dec. 31, 1872	643,354	\$50,005		
" 1873	809,354	166,000		
" 1874	1,419,854	610,500		
" 1875	1,571,854	152,000		
" 1876	1,606,854	45,000	*\$55,130 62	\$2 07
" 1877	1,606,854	10,000	*58,828 58	2 30
" 1878	1,596,854		61,004 64	2 91
" 1879	1,585,000		64,915 76	3 42
" 1880	1,585,000		55,739 35	2 72
" 1881	1,585,000		58,498 64	2 59
" 1882	1,585,000		61,390 59	2 65
" 1883	1,585,000		64,479 01	2 70
" 1884	1,585,000		67,719 33	2 78
" 1885	†1,525,000		71,305 66	2 87
" 1886	1,525,000		66,894 23	2 57
" 1887	1,525,000		70,252 88	2 56
" 1888	†860,500	25,000	37,000 00	1 28
" 1889	952,500	130,000	38,000 00	1 27
" 1890	1,057,500	150,000	45,000 00	1 38
" 1891	1,045,500	45,000	57,000 00	1 55
" 1892	1,194,500	253,000	104,000 00	2 73
" 1893	1,279,500	222,000	137,000 00	3 27
" 1894	1,344,500	172,000	107,000 00	2 42
" 1895	1,506,500	247,000	85,000 00	1 83
" 1896	1,531,000	177,000	152,500 00	3 11
" 1897	1,548,000	167,000	150,000 00	2 39
" 1898	1,552,000	176,000	172,000 00	3 99
" 1899	1,492,500	110,000	169,500 00	3 30
" 1900	1,478,000	152,000	166,500 00	3 17
" 1901	1,461,000	146,000	163,000 00	3 02
" 1902	1,477,000	175,000	159,000 00	2 86
" 1903	1,505,500	197,500	169,000 00	2 98
" 1904	1,498,500	132,500	139,500 00	2 40

*\$10,000.00 applied to payment of bonds; balance to sinking funds.

†Sinking fund applied.

YEAR.	VALUATION.	TAX LEVY.	RATE.
1872 . . .	\$22,755,325 . . .	\$274,374 45 . . .	\$13 00
1873 . . .	29,643,100 . . .	389,214 48 . . .	12 80
1874 . . .	30,837,700 . . .	473,235 50 . . .	15 00
1875 . . .	31,317,000 . . .	518,161 40 . . .	16 20
1876 . . .	26,573,400 . . .	504,475 24 . . .	18 60
1877 . . .	25,479,400 . . .	471,789 14 . . .	18 10
1878 . . .	20,976,900 . . .	409,497 10 . . .	19 00
1879 . . .	18,950,100 . . .	352,553 80 . . .	18 00
1880 . . .	20,458,100 . . .	402,927 71 . . .	19 10
1881 . . .	22,569,100 . . .	452,945 45 . . .	19 50
1882 . . .	23,162,200 . . .	425,721 16 . . .	17 80
1883 . . .	23,812,900 . . .	411,645 43 . . .	16 70
1884 . . .	24,331,100 . . .	418,750 26 . . .	16 60
1885 . . .	24,878,400 . . .	428,605 44 . . .	16 60
1886 . . .	26,003,200 . . .	416,987 28 . . .	15 40
1887 . . .	27,471,800 . . .	424,309 14 . . .	14 80
1888 . . .	28,765,400 . . .	421,458 60 . . .	14 00
1889 . . .	30,004,600 . . .	440,324 40 . . .	14 00
1890 . . .	32,557,500 . . .	447,704 00 . . .	14 00
1891 . . .	36,843,400 . . .	539,137 10 . . .	14 00
1892 . . .	38,093,100 . . .	596,357 50 . . .	15 00
1893 . . .	41,873,600 . . .	675,886 80 . . .	15 50
1894 . . .	44,142,900 . . .	721,165 54 . . .	15 70
1895 . . .	46,506,300 . . .	745,609 02 . . .	15 40
1896 . . .	49,070,800 . . .	786,412 32 . . .	15 40
1897 . . .	50,231,000 . . .	913,574 42 . . .	17 30
1898 . . .	50,739,700 . . .	954,187 11 . . .	17 90
1899 . . .	51,262,400 . . .	882,580 96 . . .	16 30
1900 . . .	52,578,200 . . .	889,916 08 . . .	16 00
1901 . . .	53,924,200 . . .	907,439 82 . . .	15 90
1902 . . .	55,558,300 . . .	964,535 80 . . .	16 40
1903 . . .	57,062,000 . . .	1,038,849 84 . . .	17 20
1904 . . .	58,137,900 . . .	1,059,292 56 . . .	17 20

Highways.

The maintenance and improvement of the highways has necessitated a vast amount of work upon the part of both the street commissioner and the city engineer and their assistants.

The chief item of work accomplished is the paving of Bow and Summer streets, from Union square to School street, with bitulithic pavement, and the consequent widening of the roadway and laying of double tracks therein.

The complete removal of the Holland-street ledge, now almost accomplished, will give opportunity for a great improvement. A sixty-foot street should be laid out through this property, to connect with Cameron and Packard avenues. A fine thoroughfare would thus be afforded between North Cambridge and Tufts college.

Arrangements will soon have to be made for a substantial supply of trap-rock or other high-grade stone for our highways.

Ten streets, a total length of over two miles, have been constructed, and twenty-nine streets, a total length of nearly four

miles, have been macadamized or re-surfaced. Nearly four and one-half miles of edgestones have been set.

I recommend that Pearl street, from Cross street to Gilman square, and Medford street, from Gilman square to Magoun square, be paved with bitulithic, vitrified brick, or some permanent paving, other than granite blocks.

Bridge at Lowell Street.

One of the most needed improvements in our city is a bridge over the Boston & Lowell railroad tracks at Lowell street. Authority has already been given to the city solicitor to bring the matter before the county commissioners, and it is expected that this bridge, long anticipated by many people, will soon be a reality.

Health Department.

The mortality in our city has been about the same as in the previous year, less than 1,000 persons having died from all causes.

The number of contagious diseases, however, was largely in excess of that of 1903. I firmly believe in the necessity of a contagious disease hospital, and I recommend that a sufficient appropriation be made to properly equip the house which has already been placed in the custody of the board of health for this purpose.

This board has taken an important step in line with the warfare which is now becoming general against that terrible disease, consumption. It has issued a regulation by which it "adjudges that pulmonary tuberculosis is an infectious and contagious disease, dangerous to the public health," and which compels special precautions in every case for the protection of the public.

The great slaughtering industry in our city, which, while now carried on under United States inspection, is still subject to the oversight of our inspector of animals and provisions, shows a decided increase over 1903 in the amount of work done, the number of animals killed being considerably over one and one-half millions.

Water and Sewerage Systems.

Those of our public works which are under ground, like the water and sewerage systems, do not, of course, attract such public

attention as do the highways, the public buildings, etc. They are, however, highly important to our health and convenience.

Over one mile of new water main has been laid the past year. The installation of meters should be extended until their use becomes general, as this is the fairest method of water distribution. I believe that they should be placed in all apartment houses for more than two families this year. The rates for metered water have been reduced, so that now consumers pay only sixteen cents per thousand gallons, which is the lowest rate in the metropolitan water district.

Over two miles of sewers and storm drains have been constructed. The "separate system" sewers (for house drainage only) should be extended each year until all areas which are subject to becoming flooded are thus improved. Our storm-drain system should be added to in the near future by the construction of drains, as follows: In the North Somerville district; along the northeasterly side of Highland avenue, between Cedar and Lowell streets; and near Somerville avenue, at the East Cambridge line.

Some idea of the extent and importance of our water and sewerage systems may be had from the statement that there are ninety miles of water mains and over ninety-one miles of sewers. Our water system has cost us over \$800,000 to construct, and the sewerage system over \$1,100,000. Since the establishment of the metropolitan water system (in 1895) and the metropolitan sewerage system (in 1889), we have paid to the state for water assessments nearly \$350,000, and for sewer assessments nearly a half-million dollars.

Sealer of Weights and Measures.

The work of the sealer of weights and measures has further increased. He has sealed about 1,400 scales, varying from 5,000-pound platform scales to spring balances, nearly 4,000 weights, and about 85,000 dry and wet measures. Over 150 scales, weights, and measures have been adjusted, and about 2,000 condemned.

Poor Department.

The number of individuals and families requiring aid from the board of overseers of the poor has somewhat exceeded that of the year 1903. The total expenditures of the department, how-

ever, have been less than during that year, owing to the assuming by the state of the payment of the expenses for the care of the insane. The receipts from the sale of produce and wood and the board of certain inmates at the city home have exceeded those of 1903.

Somerville Hospital.

I recommend that the usual sum of \$5,000 be appropriated for the Somerville hospital for the care of the sick poor.

Public Library.

Our progressive librarian is much alive to the idea that a library whose books were not read would be of little value. A statement published this year by the librarian of congress shows that the Somerville library now leads all the libraries in New England in circulation, with the single exception of the great Boston public library.

The supplying of special libraries to the public schools and church Sunday schools is a means of circulation which gives many advantages and has proven very popular.

Electrical Department.

Pursuant to a recent order of the board of aldermen, the mayor has petitioned the legislature for such legislation relative to poles, wires, and other electrical appliances, apparatus, and structures as will cause the greater part of such objectionable features to be removed from our streets. This important work will, of course, require some years to complete.

Five additional miles of wire have been run for our fire alarm and police signal systems, much of the old wire has been replaced by new, and the systems have been otherwise improved.

Street Lights.

Somerville is one of the best-lighted cities in the commonwealth, but the amount expended for this service is very large. We now have 491 arc and 483 incandescent lights.

The price, per year, of an arc light is \$105, and of an incandescent, \$30. On residential streets, except where they join or intersect each other, two incandescents, instead of one arc, will fill every need, and I recommend this substitution whenever pos-

sible. The number of arc lights can be reduced from 491 to 475 without affecting the price per light.

Buildings Department.

Much important work has engaged the attention of the commissioner of public buildings. The new engine house in Union square has been completed, a large dormitory for men added to the city home, the construction of the George O. Proctor school building on Hudson street has been begun, three rooms in the English high school have been re-arranged, and the Bell and Burns schoolhouses have been thoroughly renovated.

By an order just passed, a system of fire escapes will soon be installed on the Bell schoolhouse.

Appropriations will have to be made this year for the furnishings, etc., of the new engine house in Union square and for the heating, plumbing, and furnishings of the Proctor schoolhouse.

The heating arrangement for the new dormitory at the city home is but temporary. There is a heating plant in the annex to the Knapp schoolhouse, which is not in use, that would make an excellent equipment for the entire set of city home buildings. The furnace systems in the Pope and Morse schoolhouses should be replaced by steam heating plants. I recommend that sufficient amounts be included in the appropriations for public buildings to admit of at least two of these three improvements, which would ultimately result in a financial saving.

Three hundred permits for new buildings and alterations have been issued, and, as a result of this construction work, property to the value of \$785,000 has been added to the city.

Soldiers' Relief.

The sum of \$21,000 was paid out under the soldiers' relief law for the support of Civil war veterans, their widows and families. Such is Somerville's eloquent tribute to the men who saved the nation. The city has also dispensed for the state the sum of \$14,000 for state aid, and paid out \$2,100 for military aid, one-half of which latter amount is returned by the state. Nearly \$500 has also been expended for the state for soldiers' burials. In addition, the city spent over \$700 for turkeys, which were distributed as its Thanksgiving donation to 300 needy survivors of the Civil war, or the families of such veterans.

Parks and Playgrounds.

At least the usual amount of work has been done in beautifying our parks, which are among Somerville's chief attractions.

Great attention has been paid to the matter of providing and equipping playgrounds in all parts of the city. Five fields have been maintained for baseball and football playing; also an outdoor gymnasium, bicycle track, and tennis courts. The fine Broadway athletic field at West Somerville has been greatly improved, at the expense of the High School Athletic association, by additional seats, so that the seating capacity of the grandstands is now nearly 5,000. The Glen-street playground has been enlarged by obtaining the use of adjoining land. Permission, without expense to the city, to use private lands east of Broadway park and at the corner of Highland avenue and Cedar street has also been secured, and these have been converted into admirable playgrounds. Another portion of the city's land at the corner of Broadway and Cedar street, in front of the city's buildings, has been partly graded, and, if completed this spring, will make another fine playground, and add to the appearance of our public property there.

Shade Trees.

Eight hundred and thirty shade trees have been set out on the highways, which will soon result in greatly added beauty to our city. Hardy maples have been placed on Broadway, from the Charlestown to the Arlington line, except where shade trees already existed. Powder House boulevard has been adorned with the fast-growing Carolina poplars between Powder House square and Curtis street, and numerous trees have been set out for the owners in front of single estates. There are now 10,000 public trees in the city, and nearly 16,000 on private lands.

I recommend that shade trees be set out the entire length of Highland avenue.

The trees and shrubs throughout the city are in excellent condition, so far as the ravages of the brown-tail and gypsy moths are concerned, owing to the persistent warfare waged against these pests. The moth problem is one which is attracting great attention in the municipality, the state, and the nation. It is probable that concerted action will result in helpful legislation by both the legislature and congress.

I recommend that the city charter be so amended as to provide for the appointment of a city forester, who shall have charge of all the public trees in the city.

Fire Department.

The equipment of the fire department has been substantially increased. A splendid three-door station, begun during the administration of my immediate predecessor, now adorns Union square, and supersedes the old station at the corner of Washington and Prospect streets, which was erected by the town in 1854. A combination apparatus to carry ladders, chemical tanks, and hose for water service has been contracted for, to be placed in the station at the corner of Broadway and Cross street. Engine No. 2 has been thoroughly repaired.

About 300 alarms of fire have been sent in, the total loss being \$66,000.

There are 115 men in the department, thirty-three permanent and eighty-two call men. Early in the year the department suffered a grievous loss by the death of the assistant engineer, Nathaniel C. Barker, who had been connected with it many years.

For the past eleven months two captains in the department have acted as assistant engineers, each for a district comprising about one-half of the city. This plan has worked well, and with a financial saving. I recommend that section 1 of the ordinance relating to the fire department be so amended as to provide for two assistant engineers, instead of one, who shall also be permanent captains in the department, and that the compensation of such assistant engineers be \$100 each, per annum, in addition to the salaries received by them as permanent captains.

Police Department.

It is a gratifying fact that, while the arrests for certain offenses have exceeded those of the previous year, the total number for all offenses has been less; and there is no reason to suspect that the police officers have been less watchful than heretofore. There has not been a single case of assault or robbery of a felonious nature.

The department suffered a genuine loss by the resignation of Sergeant Arthur E. Keating, who is now a member of the district police force of the commonwealth.

Schools.

The principal item which the taxpayer has to meet in connection with our public school system is the item of expense. I am sure you will pardon this allusion to a well-worn subject when I inform you that the expenses of our schools the past year, for salaries, supplies, and care of buildings,—and not including any expenditures for new schoolhouses,—has been \$315,000, or nearly one-third of the total taxes levied for all purposes. On the other hand, when we realize that we now have approximately 12,000 pupils, cared for by over 300 teachers, it is not hard to account for this enormous expenditure.

By the acceptance of a special act of the legislature at the last state election, the voters of our city provided that the mayor and the president of the board of aldermen should become members of the school board, by virtue of their respective offices.

The High School Problem.

For a number of years, one of the gravest questions which has confronted the city government has been that of additional accommodations for the two high schools. Several plans, suggesting the erection of a new building on Central hill or elsewhere, and even involving the tearing down of the present Latin building, have been carefully considered by various committees and individuals.

The present crowded condition of the schools seems to demand an immediate settlement of the difficulty. After having considered the matter during the past year, I have concluded that the best solution of the problem is to make additions to both of the present buildings, which I believe can be done without injury to their beauty. Thus will the present and future needs of the schools be met, the sightly view from Central hill will be preserved, and the end sought for will be realized at the minimum of cost and without appealing to the legislature for authority to borrow money.

Therefore, I recommend that plans be prepared and adopted for two wings to be added to the English building, and for an extension to be added to the rear of the Latin building. Each new wing of the English building should contain six classrooms, accommodating 300 pupils, besides recitation and coat rooms, etc. The extension to the Latin building should be sixty feet

in depth, and the full width, height, and style of the present building.

The expense of this work, including a sufficient addition to the capacity of the heating plant, would be about \$110,000. However, the only portion which should be done this year is one wing on the English building, costing \$30,000. The extension to the Latin building should be done next year, and the second wing of the English building, and also the addition to the heating system, when required.

Elections.

It is the plain duty of every American citizen to record his choice of parties and men at the polls. Any man who does not exercise his rights in this matter is certainly lacking in his sense of responsibility to his country, his state, and his municipality. But the duty of voting should be made as easy as possible. Under the present law, it is necessary for the voter who does his full duty to go to the polls four times each fall—twice to the primaries and twice to the elections. This duty could be made easier, the expense to the city could be greatly reduced, and voting would become more general by the holding of but one caucus and one election.

I recommend that Somerville take the initiative in the work of securing the enactment of a general law which shall provide for one annual election for all purposes, such law to be subject to the acceptance of the voters of the various cities and towns.

Metropolitan District Affairs.

A number of the acts and resolves of the legislature of 1904 affect Somerville, as a part of the metropolitan district, more or less seriously. The most important work of our city solicitor during the year has been in connection with these matters.

By an act of the legislature (intended to supplement an act passed in 1903 authorizing Cambridge, Somerville, Arlington, and Belmont to improve Alewife brook and its tributaries), the building of a dam across the Mystic river, at or near Cradock bridge in Medford, and the formulating of a scheme for purifying said river, Alewife brook, and other waters, were authorized. This latter proposition makes the problem difficult and subject to much delay.

By a resolve of the legislature, consideration is now being given to the advisability of taking or constructing, at the expense

of the metropolitan sewerage district, certain expensive sewers in Wakefield, Lexington, Waltham, and elsewhere. Somerville's share of this expenditure would probably exceed \$30,000. I recommend that our senator and representatives in the legislature be requested to oppose this proposition. Its adoption would work a great injustice to our city.

The method of apportioning the expenses of the metropolitan water district has been changed by act of the legislature, so that, beginning next year, we shall pay one-third of our assessment upon our valuation, and two-thirds of it upon our water consumption. This change is believed to be the least expensive to Somerville of all the changes proposed, though, as estimated, it will add about \$5,000 to our annual assessment, unless our consumption is reduced. As two-thirds of our assessment for 1906 will be based upon our consumption for 1905, it is advisable that, by the further installation of meters, and by every reasonable precaution, the waste of water be reduced to the minimum.

As recommended by me last year, a special committee of the board of aldermen was appointed to act in conjunction with a citizens' committee of twenty-five selected by me, to urge upon the metropolitan park commissioners the construction of a boulevard through Somerville and Cambridge, to connect the Fells and the Fenway. A joint meeting of these committees was held, and a sub-committee appointed to seek the co-operation of the city of Cambridge. A communication was addressed to the mayor of Cambridge, which was referred by him to the city council. I trust the matter can be still further advanced the present year, and I urgently recommend that our senator and representatives in the legislature be asked to use their utmost endeavors in its favor.

I recommend that the plan of taking portions of the banks of the Mystic river in Somerville, which has been more or less seriously considered for several years, be urged upon the metropolitan park commission.

I recommend, also, that this commission be requested to take the Powder House boulevard, which should become, by a proper connection at West Medford, a part of the great metropolitan park system.

No-License.

Somerville's record on the right side of the local option matter gives great cause for congratulation. Our grand no-

license majority at the recent election was the largest in our city in ten years, and the largest but one in our history. Somerville has long been recognized as the stronghold of no-license. She is certainly entitled to the honor this year.

Gentlemen: We have been placed in these honored and honorable offices by the votes of our fellow-citizens—constituents, if you please—who have confidence in us and love for the city of their homes. Many of us have been honored for at least the second time. As frequent repetition of work gives skill to the hand and cunning to the eye, we who have been returned should profit by those duties already done.

To those of you who are with us for the first time we extend a welcome,—hoping, trusting that your stay with us will give you good cause for satisfaction.

May harmony and progress be our watchwords,—that is my New Year's greeting to you all.

REPORT OF THE CITY TREASURER AND COLLECTOR OF TAXES.

Treasurer's Office, January 12, 1905.

To the Honorable, the Mayor, and the Board of Aldermen of the
City of Somerville:—

Gentlemen: The undersigned presents herewith the thirty-third annual report of the financial condition of the city, and a statement showing, in detail, the receipts and disbursements for the year ending December 31, 1904.

Public Property.

The value of the public property of the city December 31, 1903, was \$3,715,079.21. The property acquired during the year was as follows:—

Water Works, Land and Buildings, 94,500 feet	\$32,000 00
Water Works Extension	14,475 37
City Home, Land adjacent	100 00
Dormitory	5,789 78
Bingham School Addition	17,816 49
George O. Proctor School	5,585 20
Engine House in Ward Two	28,286 68
Historical Building	253 50
Prospect Hill Park	1,630 70
Rifle Range in Waltham, Building	693 21
Furniture, School	2,390 00
School Books (Bingham)	1,200 00
Outdoor Gymnasium	800 00

\$111,020 93

Making the value of the public property December 31, 1904, as per
Table A, \$3,826,100.14.

Funded Debt.

The funded debt December 31, 1903, as per Table B of the last annual report, was \$1,505,500.

The debt was increased during the year by appropriations as follows:—

Public Buildings Construction:—

Dormitory at City Home	\$6,000 00
Engine House in Ward Two	4,000 00
Primary School Building (to relieve the schools in Ward Six)	30,000 00
Public Grounds, Completion of Prospect Hill Park	2,000 00

Amount carried forward \$42,000 00

Amount brought forward	\$42,000 00
Highways:—	
Construction	10,000 00
Paved Gutters and Crossings	14,000 00
Paving Broadway, Bow and Summer streets	21,500 00
Sidewalks Construction	10,000 00
Sewers Construction	25,000 00
Renewal of Funded Debt	10,000 00
<hr/>	
Total amount of appropriations on Funded Debt account	\$132,500 00

To provide for the above-mentioned appropriations, bonds to the amount of \$132,500 at 4 per cent. were issued, viz.:—

City Loan Bonds Nos. 3190 to 3198, payable 1905	\$8,500 00
City Loan Bonds Nos. 3199 to 3207, payable 1906	8,500 00
City Loan Bonds Nos. 3208 to 3216, payable 1907	8,500 00
City Loan Bonds Nos. 3217 to 3225, payable 1908	8,500 00
City Loan Bonds Nos. 3226 to 3234, payable 1909	8,500 00
City Loan Bonds Nos. 3235 to 3243, payable 1910	8,000 00
City Loan Bonds Nos. 3244 to 3252, payable 1911	8,000 00
City Loan Bonds Nos. 3253 to 3261, payable 1912	8,000 00
City Loan Bonds Nos. 3262 to 3270, payable 1913	8,000 00
City Loan Bonds Nos. 3271 to 3279, payable 1914	8,000 00
City Loan Bonds Nos. 3280 to 3282, payable 1915	2,500 00
City Loan Bonds Nos. 3283 to 3285, payable 1916	2,500 00
City Loan Bonds Nos. 3286 to 3288, payable 1917	2,500 00
City Loan Bonds Nos. 3289 to 3291, payable 1918	2,500 00
City Loan Bonds Nos. 3292 to 3294, payable 1919	2,500 00
City Loan Bonds Nos. 3295 to 3297, payable 1920	2,500 00
City Loan Bonds Nos. 3298 to 3300, payable 1921	2,500 00
City Loan Bonds Nos. 3301 to 3303, payable 1922	2,500 00
City Loan Bonds Nos. 3304 to 3306, payable 1923	2,500 00
City Loan Bonds Nos. 3307 to 3309, payable 1924	2,500 00
Sewer Loan Bonds Nos. 304 to 328, payable 1905 to 1929	25,000 00
<hr/>	
Total amount of bonds issued in 1904	\$132,500 00

The following bonds became due and were paid during the year, viz.:—

City Loan Bonds Nos. 1665 to 1673, interest 4 per cent.	\$9,000 00
City Loan Bonds Nos. 1882 to 1899, interest 4 per cent.	18,000 00
City Loan Bonds Nos. 2124 to 2131, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 2285 to 2293, interest 4 per cent.	9,000 00
City Loan Bonds Nos. 2417 to 2426, interest 4 per cent.	10,000 00
City Loan Bonds Nos. 2548 to 2555, interest 4 per cent.	8,000 00
City Loan Bonds Nos. 2662 to 2673, interest 3½ per cent.	12,000 00
City Loan Bonds Nos. 2794 to 2801, interest 3½ per cent.	8,000 00
City Loan Bonds Nos. 2904 to 2913, interest 3½ per cent.	10,000 00
City Loan Bonds Nos. 3017 to 3026, interest 4 per cent.	10,000 00
City Loan Bond No. 3027, interest 4 per cent.	500 00
City Loan Bonds Nos. 1218 to 1220, interest 4 per cent.	3,000 00
City Loan Bonds Nos. 3150 to 3151, interest 4 per cent.	2,000 00
Sewer Loan Bond No. 63, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 180, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 204, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 226, interest 3½ per cent.	1,000 00
<hr/>	
Amount carried forward	\$111,500 00

Amount brought forward	\$111,500 00
Sewer Loan Bond No. 255, interest $3\frac{1}{2}$ per cent.	1,000 00
Sewer Loan Bond No. 279, interest 4 per cent.	1,000 00
Sewer Loan Bond No. 43, interest $4\frac{1}{2}$ per cent.	1,000 00
Sewer Loan Bonds Nos. 106 to 109, interest 4 per cent.	4,000 00
Paving Loan Bonds Nos. 56 to 60, interest 4 per cent.	5,000 00
Water Loan Bonds Nos. 257 to 266, interest 4 per cent.	10,000 00
Water Loan Bonds No. b455, interest 4 per cent.	1,000 00
Water Loan Bonds Nos. 351 to 352, interest 4 per cent.	2,000 00
Water Loan Bonds Nos. 450 to 451, interest 4 per cent.	2,000 00
Metropolitan Park Assessment Loan Bond No. 2, interest $3\frac{1}{2}$ per cent.	1,000 00

Total amount of bonds paid during the year . . . \$139,500 00

Leaving the net funded debt December 31, 1904, as per Table B, \$1,498,500, classified as follows:—

City Loan Bonds bearing interest at $3\frac{1}{2}$ per cent.	\$299,000 00
City Loan Bonds bearing interest at 4 per cent.	809,500 00
City Loan Sewer Bonds bearing interest at $3\frac{1}{2}$ per cent.. . . .	50,000 00
City Loan Sewer Bonds bearing interest at 4 per cent.	160,000 00
City Loan Sewer Bonds bearing interest at $4\frac{1}{2}$ per cent.	7,000 00
City Loan Paving Bonds bearing interest at 4 per cent.	40,000 00
Water Loan Bonds bearing interest at 4 per cent.	98,000 00
Water Loan Bonds bearing interest at $5\frac{1}{2}$ per cent.	10,000 00
Metropolitan Park Assessment Loan Bonds bearing interest at $3\frac{1}{2}$ per cent.	25,000 00

\$1,498,500 00

Total Funded Debt, City Loan	\$1,108,500 00
Total Funded Debt, Water Loan	108,000 00
Total Funded Debt, Paving Loan (outside legal limit)	40,000 00
Total Funded Debt, Sewer Loan	153,000 00
Total Funded Debt, Sewer Loan (outside legal limit)	64,000 00
Total Funded Debt, Metropolitan Park Assessment Loan (outside legal limit)	25,000 00
	<u>\$1,498,500 00</u>

Resources.

The assessors' warrant for the tax levy, assessed upon the polls and estates of the inhabitants, was duly received.

The total amount of taxable property was \$58,137,900, and the rate of taxation was \$17.20 on each \$1,000 valuation, as follows:—

Real estate, valuation	\$51,836,200 00
Personal estate, valuation	6,220,500 00
Non-resident bank shares	81,200 00
Total valuation	<u>\$58,137,900 00</u>
At a rate of \$17.20 on \$1,000 valuation	\$999,971 88
Polls, 19,203 at \$2	38,406 00
Street watering	20,914 68

Total amount of tax levy \$1,059,292 56

Amount carried forward \$1,059,292 56

Amount brought forward	\$1,059,292 56
Borrowed on Funded Debt account to provide for the cost of public improvements and renewals of debt	132,500 00
Water works income	216,847 35
National bank and corporation taxes, applied to Police	27,683 77
Court fees, fines, etc., applied to Police	4,189 30
County of Middlesex, dog licenses, applied to Public Library	4,193 50
Street Railway tax for the year 1904, applied to Highways Maintenance	43,655 40
Boston Elevated Railway tax for the year 1904, applied to Highways Maintenance	7,965 91
Total amount of resources	<u>\$1,496,328 09</u>

Appropriations from Funded Debt and from Income.

Balances unused and in process:—

CREDIT BALANCES.

Highways, Construction	\$2,518 84
Fire Department, Combination Ladder Truck and Chemi- cal Engine	2,500 00
Highways, Paving Broadway, Bow and Summer streets	8,136 02
Public Buildings Construction, Dormitory at City Home, Public Buildings Construction, George O. Proctor School Building	210 22
Public Buildings Construction, L. V. Bell School Fire Escapes	24,414 80
Public Grounds, Prospect Hill Park Completion	1,500 00
Public Library, Isaac Pitman Income Fund, Art	369 30
Public Library, Isaac Pitman Income Fund, Poetry	5 61
Reduction of Funded Debt	4 23
Sewers Construction	1,000 00
	6,747 08
	<u>\$47,406 10</u>

DEBIT BALANCES.

Public Buildings Construction, Engine House in Ward Two	\$1,717 37
Highways, Paved Gutters and Crossings	2,062 41
Highways, Thorndike-street Subway	565 53
Sidewalks Construction	2,825 45
Public Buildings Construction, Addition to Bingham School	596 93
Public Buildings Construction, Rifle Range in Waltham	193 21
Public Buildings Construction, Contagious Disease Hospital	100 00
	<u>\$8,060 90</u>
Balance of appropriations from Funded Debt and from Income	<u>\$39,345 20</u>

Cash.

Balance on hand January 1, 1904	\$61,714 58
Total cash receipts for the year 1904	2,326,628 30
	<u>\$2,388,342 88</u>
Amount carried forward	\$2,388,342 88

Amount brought forward	\$2,388,342 88
Total cash disbursements for the year 1904	<u>2,314,599 32</u>
Balance in the treasury December 31, 1904	\$73,743 56
Deposits in banks	\$72,277 96
Cash on hand	1,465 61
	<u>\$73,743 57</u>

Assets and Liabilities.

The assets of the city available for the payment of its unfunded liabilities are as follows:—

Unfunded liabilities:—

Coupons unpaid	\$26,057 50
Overplus on Tax Sales	118 13
Sundry Persons	524 21
Temporary Loans	<u>350,000 00</u>
	\$376,699 84

Available assets:—

Commonwealth of Massachusetts, balance due,	\$15,903 87
Taxes uncollected	249,886 45
Highway Betterment Assessments uncollected	2,305 44
Sewer Assessments uncollected	6,271 17
Sidewalk Assessments uncollected	6,009 18
Metered Water Charges uncollected	14,658 38
Real Estate Liens	1,757 80
Cash in treasury	<u>73,743 56</u>
	<u>370,535 85</u>
Excess of unfunded liabilities	\$6,163 99

Balance Sheet.

DEBIT.

Public Property	\$3,826,100 14
Deficit of appropriations from tax levy	<u>45,509 19</u>
	\$3,871,609 33

CREDIT.

Excess of appropriations from Funded Debt,	\$39,345 20
Present Funded Debt	1,498,500 00
Unfunded liabilities	<u>6,163 99</u>
	\$1,544,009 19
Property and Debt Balance or Municipal Capital	<u>2,327,600 14</u>
	\$3,871,609 33

A detailed statement of the public property, funded debt, and the receipts and disbursements of the several accounts will be found in the following appendix.

Respectfully submitted,

JAMES F. BEARD,
Treasurer and Collector of Taxes.

APPENDIX TO TREASURER AND COLLECTOR'S REPORT.

TABLE A.—PUBLIC PROPERTY DECEMBER 31, 1904.

Central Hill land (13 acres, 5,032 feet)		\$270,000 00
City Hall	\$35,332 32	
Furniture and fixtures	10,000 00	
		45,332 32
Public Library building	42,000 00	
Public Library	25,000 00	
		67,000 00
City Hall Annex		20,655 02
Albion A. Perry Schoolhouse, Washington street, land (46,080 feet) and building	36,000 00	
Furniture	1,080 00	
Books	530 00	
		37,610 00
Bingham Schoolhouse, land (21,424 feet) and building	65,896 93	
Furniture	2,600 00	
Books	2,300 00	
		70,796 93
Burns Schoolhouse, land (16,080 feet) and building	33,300 00	
Furniture	1,460 00	
Books	1,000 00	
		35,760 00
Charles G. Pope Schoolhouse, land (27,236 feet) and building	78,600 00	
Furniture	2,160 00	
Books	2,600 00	
		83,360 00
Cummings Schoolhouse, land (11,300 feet) and building	11,200 00	
Furniture	720 00	
Books	500 00	
		12,420 00
Davis Schoolhouse, land (30,155 feet) and building	22,000 00	
Furniture	720 00	
Books	400 00	
		23,120 00
Edgerly Schoolhouse, land (24,000 feet) and building	42,000 00	
Furniture	2,230 00	
Books	2,800 00	
		47,030 00
English High Schoolhouse	134,000 00	
Furniture	3,900 00	
Philosophical and manual training apparatus	8,200 00	
Books	12,000 00	
		158,100 00
Amount carried forward		\$871,184 27

Amount brought forward		\$871,184 27
Forster Schoolhouse and Annex, land (30,632 feet) and buildings	82,000 00	
Furniture	3,290 00	
Books	4,100 00	
	<hr/>	89,390 00
George L. Baxter Schoolhouse, land (11,000 feet) and building	31,800 00	
Furniture	1,155 64	
Books	450 00	
	<hr/>	33,405 64
George O. Proctor Schoolhouse, building (on Armory lot)		5,585 20
George W. Durell Schoolhouse, land (13,883 feet) and building	19,000 00	
Furniture	720 00	
Books	500 00	
	<hr/>	20,220 00
Highland Schoolhouse, land (23,260 feet) and building	58,000 00	
Furniture	2,560 00	
Books	2,800 00	
	<hr/>	63,360 00
Jacob T. Glines Schoolhouse, land (28,800 feet) and building	78,200 00	
Furniture	2,340 00	
Books	2,100 00	
	<hr/>	82,640 00
Latin High Schoolhouse	60,000 00	
Furniture	2,000 00	
Philosophical apparatus	500 00	
Books	3,300 00	
	<hr/>	65,800 00
Lincoln Schoolhouse, land (17,662 feet) and building	17,500 00	
Furniture	720 00	
Books	500 00	
	<hr/>	18,720 00
Luther V. Bell Schoolhouse, land (22,262 feet) and building	43,000 00	
Furniture	2,400 00	
Books	2,400 00	
	<hr/>	47,800 00
Martin W. Carr Schoolhouse, land (20,450 feet) and building	51,000 00	
Furniture	2,800 00	
Books	2,800 00	
	<hr/>	56,600 00
Morse Schoolhouse, land (29,000 feet) and building	45,859 00	
Furniture	2,340 00	
Books	2,800 00	
	<hr/>	50,999 00
Martha Perry Lowe Schoolhouse, land (21,- 650 feet) and building	50,346 16	
Furniture	1,480 00	
Books	800 00	
	<hr/>	52,626 16
Amount carried forward		\$1,458,330 27

Amount brought forward		\$1,458,330 27	
O. S. Knapp Schoolhouse, land (24,517 feet)			
and building	48,000 00		
Furniture	2,540 00		
Books	3,000 00		
			53,540 00
Prescott Schoolhouse, land (22,000 feet) and			
building	64,000 00		
Furniture	2,260 00		
Books	2,700 00		
			68,960 00
Prospect-hill Schoolhouse, land (23,733 feet)			
and building			15,000 00
Benjamin G. Brown Schoolhouse, land			
(20,093 feet) and building	38,400 00		
Furniture	1,290 16		
Books	700 00		
			40,390 16
Sanford Hanscom Schoolhouse, land (12,756			
feet) and building	48,500 00		
Furniture	1,080 00		
Books	500 00		
			50,080 00
Clark W. Bennett Schoolhouse, land (12,000			
feet) and building	57,268 32		
Furniture	2,180 00		
Books	1,000 00		
			60,448 32
William H. Hodgkins Schoolhouse, land			
(35,034 feet) and building	69,300 00		
Furniture	2,400 00		
Books	2,300 00		
			74,000 00
City Stables, dwelling houses and school-			
house and 462,623 feet of land	84,000 00		
Equipments for highway repairs	21,690 00		
Watering carts and sheds	5,000 00		
			110,690 00
Water Works, land and buildings (94,500 feet)			32,000 00
No. 1 Fire Station, land (8,937 feet) and			
building	33,200 00		
Engine No. 2 and apparatus	4,000 00		
Hose wagon No. 1 and apparatus	1,500 00		
Furniture	400 00		
			39,100 00
No. 2 Fire Station, land (5,500 feet) and			
building	10,400 00		
Furniture	400 00		
Hose wagon No 2 and apparatus	1,500 00		
			12,300 00
No. 3 Fire Station, land (10,027 feet) and			
building	54,197 37		
Furniture	400 00		
Hose wagon No. 3 and apparatus	1,500 00		
Hook and ladder truck and apparatus	3,400 00		
Engine No. 3	5,375 00		
			64,872 37
Amount carried forward			\$2,079,711 12

Amount brought forward		\$2,079,711 12
No. 4 Fire Station, land (9,100 feet) and building	15,500 00	
Furniture	400 00	
Engine No. 4 and apparatus	4,000 00	
Combination wagon and apparatus	2,500 00	
		22,400 00
No. 5 Fire Station, land (39,000 feet) and building	16,500 00	
Furniture	400 00	
Hose wagon No. 5 and apparatus	1,500 00	
		18,400 00
No. 6 Fire Station, land (8,113 feet) and building	17,600 00	
Furniture	600 00	
Apparatus	4,850 00	
		23,050 00
Hook and Ladder Station No. 2, land (9,903 feet) and building	14,100 00	
Furniture	1,200 00	
Apparatus	7,500 00	
		22,800 00
Central Fire Station, land (11,738 feet) and building	36,700 00	
Furniture	500 00	
Engine No. 1 and apparatus	4,000 00	
Hose wagon and apparatus	2,000 00	
Two relief hose carriages	1,000 00	
One relief hook and ladder	400 00	
Chemical Engine A and equipment	2,498 53	
		47,098 53
Fire Alarm and Police Signal apparatus		36,610 00
Police Station, land (15,225 feet) and building	54,000 00	
Furniture	3,000 00	
		57,000 00
City Home, Broadway, land (421,648 feet) and buildings	35,189 78	
Furniture	1,426 09	
		36,615 87
City Home, land adjacent (9,422 feet)	1,600 00	
(74,593 feet)	14,000 00	
		15,600 00
Water Works		833,000 00
Prospect street, land (7,918 feet) and building		6,800 00
Broadway Park (cost \$212,993.20) (700,000 square feet)		270,000 00
Nathan Tufts Park (about 4 54-100 acres, 217,572 feet)		68,000 00
Lincoln Park, Washington street (289,140 square feet)	63,200 00	
Out-door Gymnasium	800 00	
		64,000 00
Prospect-hill Park (87,056 feet)	67,511 75	
Historical Building and Observatory	8,959 66	
		76,471 41
Franklin Park (40,000 feet)		12,000 00
Powder-House Boulevard (200,618 square feet) and building		22,500 00
Joy street, land (2,700 feet)		500 00
Walnut Hill, land (10,890 feet)		2,300 00
College avenue, land (18,000 feet)		6,000 00
Webster avenue, land (10,000 feet)		2,500 00
Holland street, land (217,800 feet)		35,500 00
Amount carried forward		\$3,758,856 93

Amount brought forward		\$3,758,856 93.
Gravel land in Waltham (about 35 acres)	15,000 00	
Rifle Range, building	693 21	
	<hr/>	15,693 21
Gravel land in Wakefield (about 1 1-3 acres)		5,000 00
Gravel land rear North street (about 5 43-100 acres)		4,000 00
Oliver street, land (50,000 feet)		18,000 00
Whipple street, land (15,240 feet)		3,000 00
Beacon street, land (10,000 feet)		2,800 00
Passageway on Putnam street (1,135 feet)		400 00
Stand Pipe lot (17,176 feet)		5,100 00
Glen street, land (6,370 feet) and storehouse		2,300 00
Somerville avenue, land (305 feet)		300 00
Broadway, junction Main street, land		900 00
Joy Street playground		9,750 00
		<hr/>
Total amount of public property		\$3,826,100 14

TABLE B.—FUNDED DEBT DECEMBER 31, 1904.

City Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1894	1,674 to 1,679	4	July 1, 1905	\$1,000	\$ 6,000
July 1, 1895	1,900 to 1,917	4	July 1, 1905	1,000	18,000
July 1, 1896	2,132 to 2,139	4	July 1, 1905	1,000	8,000
July 1, 1897	2,294 to 2,302	4	July 1, 1905	1,000	9,000
July 1, 1898	2,427 to 2,436	4	July 1, 1905	1,000	10,000
July 1, 1899	2,556 to 2,563	4	July 1, 1905	1,000	8,000
July 2, 1900	2,674 to 2,685	3½	July 1, 1905	1,000	12,000
July 1, 1901	2,802 to 2,809	3½	July 1, 1905	1,000	8,000
July 1, 1902	2,914 to 2,923	3½	July 1, 1905	1,000	10,000
July 1, 1903	3,028 to 3,037	4	July 1, 1905	1,000	10,000
July 1, 1904	3,190 to 3,197	4	July 1, 1905	1,000	8,000
July 1, 1904	3,198	4	July 1, 1905	500	500
October 1, 1891	1,221 to 1,223	4	Oct. 1, 1905	1,000	3,000
October 1, 1903	3,152 to 3,153	4	Oct. 1, 1905	1,000	2,000
July 1, 1894	1,680 to 1,685	4	July 1, 1906	1,000	6,000
July 1, 1895	1,918 to 1,932	4	July 1, 1906	1,000	15,000
July 1, 1896	2,140 to 2,147	4	July 1, 1906	1,000	8,000
July 1, 1897	2,303 to 2,311	4	July 1, 1906	1,000	9,000
July 1, 1898	2,437 to 2,446	4	July 1, 1906	1,000	10,000
July 1, 1899	2,564 to 2,570	4	July 1, 1906	1,000	7,000
July 2, 1900	2,686 to 2,695	3½	July 1, 1906	1,000	10,000
July 1, 1901	2,810 to 2,817	3½	July 1, 1906	1,000	8,000
July 1, 1902	2,924 to 2,933	3½	July 1, 1906	1,000	10,000
July 1, 1903	3,038 to 3,046	4	July 1, 1906	1,000	9,000
July 1, 1904	3,199 to 3,206	4	July 1, 1906	1,000	8,000
July 1, 1904	3,207	4	July 1, 1906	500	500
October 1, 1903	3,154 to 3,155	4	Oct. 1, 1906	1,000	2,000
July 1, 1894	1,686 to 1,691	4	July 1, 1907	1,000	6,000
July 1, 1895	1,933 to 1,947	4	July 1, 1907	1,000	15,000
	Amount	carried	forward . . .		\$236,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When Due.	Denomi- nation.	Amount.
	Amount brought forward				\$236,000
July 1, 1896	2,148 to 2,155	4	July 1, 1907	\$1,000	8,000
July 1, 1897	2,312 to 2,320	4	July 1, 1907	1,000	9,000
July 1, 1898	2,447 to 2,456	4	July 1, 1907	1,000	10,000
July 1, 1899	2,571 to 2,577	4	July 1, 1907	1,000	7,000
July 2, 1900	2,696 to 2,705	3½	July 1, 1907	1,000	10,000
July 1, 1901	2,818 to 2,825	3½	July 1, 1907	1,000	8,000
July 1, 1902	2,944 to 2,942	3½	July 1, 1907	1,000	9,000
July 1, 1903	3,047 to 3,055	4	July 1, 1907	1,000	9,000
July 1, 1904	3,208 to 3,215	4	July 1, 1907	1,000	8,000
July 1, 1904	3,216	4	July 1, 1907	500	500
October 1, 1903	3,156 to 3,157	4	Oct. 1, 1907	1,000	2,000
July 1, 1894	1,692 to 1,697	4	July 1, 1908	1,000	6,000
July 1, 1895	1,948 to 1,962	4	July 1, 1908	1,000	15,000
July 1, 1896	2,156 to 2,163	4	July 1, 1908	1,000	8,000
July 1, 1897	2,321 to 2,325	4	July 1, 1908	1,000	5,000
July 1, 1898	2,457 to 2,465	4	July 1, 1908	1,000	9,000
July 1, 1899	2,578 to 2,584	4	July 1, 1908	1,000	7,000
July 2, 1900	2,706 to 2,715	3½	July 1, 1908	1,000	10,000
July 1, 1901	2,826 to 2,832	3½	July 1, 1908	1,000	7,000
July 1, 1902	2,943 to 2,951	3½	July 1, 1908	1,000	9,000
July 1, 1903	3,056 to 3,064	4	July 1, 1908	1,000	9,000
July 1, 1904	3,217 to 3,224	4	July 1, 1908	1,000	8,000
July 1, 1904	3,225	4	July 1, 1908	500	500
October 1, 1903	3,158 to 3,159	4	Oct. 1, 1908	1,000	2,000
July 1, 1894	1,698 to 1,703	4	July 1, 1909	1,000	6,000
July 1, 1895	1,963 to 1,976	4	July 1, 1909	1,000	14,000
July 1, 1896	2,164 to 2,171	4	July 1, 1909	1,000	8,000
July 1, 1897	2,326 to 2,330	4	July 1, 1909	1,000	5,000
July 1, 1898	2,466 to 2,470	4	July 1, 1909	1,000	5,000
	Amount carried forward				\$450,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward				\$450,000
July 1, 1899	2,585 to 2,591	4	July 1, 1909	\$1,000	7,000
July 2, 1900	2,716 to 2,725	3½	July 1, 1909	1,000	10,000
July 1, 1901	2,833 to 2,839	3½	July 1, 1909	1,000	7,000
July 1, 1902	2,952 to 2,960	3½	July 1, 1909	1,000	9,000
July 1, 1903	3,065 to 3,073	4	July 1, 1909	1,000	9,000
July 1, 1904	3,226 to 3,233	4	July 1, 1909	1,000	8,000
July 1, 1904	3,234	4	July 1, 1909	500	500
October 1, 1903	3,160 to 3,161	4	Oct. 1, 1909	1,000	2,000
July 1, 1894	1,704 to 1,709	4	July 1, 1910	1,000	6,000
July 1, 1895	1,977 to 1,990	4	July 1, 1910	1,000	14,000
July 1, 1896	2,172 to 2,179	4	July 1, 1910	1,000	8,000
July 1, 1897	2,331 to 2,335	4	July 1, 1910	1,000	5,000
July 1, 1898	2,471 to 2,475	4	July 1, 1910	1,000	5,000
July 1, 1899	2,592 to 2,595	4	July 1, 1910	1,000	4,000
July 2, 1900	2,726 to 2,735	3½	July 1, 1910	1,000	10,000
July 1, 1901	2,840 to 2,846	3½	July 1, 1910	1,000	7,000
July 1, 1902	2,961 to 2,969	3½	July 1, 1910	1,000	9,000
July 1, 1903	3,074 to 3,082	4	July 1, 1910	1,000	9,000
July 1, 1904	3,235 to 3,239	4	July 1, 1910	1,000	5,000
July 1, 1904	3,240	4	July 1, 1910	500	500
July 1, 1904	3,241 to 3,242	4	July 1, 1910	1,000	2,000
July 1, 1904	3,243	4	July 1, 1910	500	500
October 1, 1903	3,162 to 3,163	4	Oct. 1, 1910	1,000	2,000
July 1, 1894	1,710 to 1,715	4	July 1, 1911	1,000	6,000
July 1, 1895	1,991 to 2,004	4	July 1, 1911	1,000	14,000
July 1, 1896	2,180 to 2,187	4	July 1, 1911	1,000	8,000
July 1, 1897	2,336 to 2,340	4	July 1, 1911	1,000	5,000
July 1, 1898	2,476 to 2,480	4	July 1, 1911	1,000	5,000
July 1, 1899	2,596 to 2,599	4	July 1, 1911	1,000	4,000
July 2, 1900	2,736 to 2,740	3½	July 1, 1911	1,000	5,000
	Amount carried forward				\$636,500

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward . . .				\$636,500
July 1, 1901	2,847 to 2,853	3½	July 1, 1911	\$1,000	7,000
July 1, 1902	2,970 to 2,978	3½	July 1, 1911	1,000	9,000
July 1, 1903	3,083 to 3,091	4	July 1, 1911	1,000	9,000
July 1, 1904	3,244 to 3,248	4	July 1, 1911	1,000	5,000
July 1, 1904	3,249	4	July 1, 1911	500	500
July 1, 1904	3,250 to 3,251	4	July 1, 1911	1,000	2,000
July 1, 1904	3,252	4	July 1, 1911	500	500
October 1, 1903	3,164 to 3,165	4	Oct. 1, 1911	1,000	2,000
July 1, 1894	1,716 to 1,721	4	July 1, 1912	1,000	6,000
July 1, 1895	2,005 to 2,018	4	July 1, 1912	1,000	14,000
July 1, 1896	2,188 to 2,194	4	July 1, 1912	1,000	7,000
July 1, 1897	2,341 to 2,344	4	July 1, 1912	1,000	4,000
July 1, 1898	2,481 to 2,485	4	July 1, 1912	1,000	5,000
July 1, 1899	2,600 to 2,603	4	July 1, 1912	1,000	4,000
July 2, 1900	2,741 to 2,745	3½	July 1, 1912	1,000	5,000
July 1, 1901	2,854 to 2,857	3½	July 1, 1912	1,000	4,000
July 1, 1902	2,979 to 2,987	3½	July 1, 1912	1,000	9,000
July 1, 1903	3,092 to 3,100	4	July 1, 1912	1,000	000
July 1, 1904	3,253 to 3,257	4	July 1, 1912	1,000	5,000
July 1, 1904	3,258	4	July 1, 1912	500	500
July 1, 1904	3,259 to 3,260	4	July 1, 1912	1,000	2,000
July 1, 1904	3,261	4	July 1, 1912	500	500
October 1, 1903	3,166 to 3,167	4	Oct. 1, 1912	1,000	2,000
July 1, 1894	1,722 to 1,727	4	July 1, 1913	1,000	6,000
July 1, 1895	2,019 to 2,031	4	July 1, 1913	1,000	13,000
July 1, 1896	2,195 to 2,201	4	July 1, 1913	1,000	7,000
July 1, 1897	2,345 to 2,348	4	July 1, 1913	1,000	4,000
July 1, 1898	2,486 to 2,490	4	July 1, 1913	1,000	5,000
July 1, 1899	2,604 to 2,607	4	July 1, 1913	1,000	4,000
July 2, 1900	2,746 to 2,749	3½	July 1, 1913	1,000	4,000
	Amount carried forward . . .				\$791,500

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amount	brought	forward		\$791,50
July 1, 1901	2,858 to 2,861	3½	July 1, 1913	\$1,000	4,000
July 1, 1902	2,988 to 2,990	3½	July 1, 1913	1,000	3,000
July 1, 1903	3,101 to 3,109	4	July 1, 1913	1,000	9,000
July 1, 1904	3,262 to 3,266	4	July 1, 1913	1,000	5,000
July 1, 1904	3,267	4	July 1, 1913	00	500
July 1, 1904	3,268 to 3,269	4	July 1, 1913	1,000	2,000
July 1, 1904	3,270	4	July 1, 1913	500	
October 1, 1903	3,168 to 3,169	4	Oct. 1, 1913	1,000	2,000
July 1, 1894	1,728 to 1,733	4	July 1, 1914	1,000	6,000
July 1, 1895	2,032 to 2,044	4	July 1, 1914	1,000	13,000
July 1, 1896	2,202 to 2,208	4	July 1, 1914	1,000	7,000
July 1, 1897	2,349 to 2,352	4	July 1, 1914	1,000	4,000
July 1, 1898	2,491 to 2,495	4	July 1, 1914	1,000	5,000
July 1, 1899	2,608 to 2,611	4	July 1, 1914	1,000	4,000
July 2, 1900	2,750 to 2,753	3½	July 1, 1914	1,000	4,000
July 1, 1901	2,862 to 2,865	3½	July 1, 1914	1,000	4,000
July 1, 1902	2,991 to 2,993	3½	July 1, 1914	1,000	3,000
July 1, 1903	3,110 to 3,113	4	July 1, 1914	1,000	4,000
July 1, 1904	3,271 to 3,275	4	July 1, 1914	1,000	5,000
July 1, 1904	3,276	4	July 1, 1914	500	500
July 1, 1904	3,277 to 3,278	4	July 1, 1914	1,000	2,000
July 1, 1904	3,279	4	July 1, 1914	500	500
October 1, 1903	3,170 to 3,171	4	Oct. 1, 1914	1,000	2,000
July 1, 1895	2,045 to 2,057	4	July 1, 1915	1,000	13,000
July 1, 1896	2,209 to 2,215	4	July 1, 1915	1,000	7,000
July 1, 1897	2,353 to 2,356	4	July 1, 1915	1,000	4,000
July 1, 1898	2,496 to 2,500	4	July 1, 1915	1,000	5,000
July 1, 1899	2,612 to 2,614	4	July 1, 1915	1,000	3,000
July 2, 1900	2,754 to 2,757	3½	July 1, 1915	1,000	4,000
July 1, 1901	2,866 to 2,869	3½	July 1, 1915	1,000	4,000
	Amount	carried	forward		\$921,500

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward . . .				\$921,500
July 1, 1902	2,994 to 2,996	3½	July 1, 1915	\$1,000	3,000
July 1, 1903	3,114 to 3,117	4	July 1, 1915	1,000	4,000
July 1, 1904	3,280 to 3,281	4	July 1, 1915	1,000	2,000
July 1, 1904	3,282	4	July 1, 1915	500	500
October 1, 1903	3,172 to 3,173	4	Oct. 1, 1915	1,000	2,000
July 1, 1896	2,216 to 2,222	4	July 1, 1916	1,000	7,000
July 1, 1897	2,357 to 2,360	4	July 1, 1916	1,000	4,000
July 1, 1898	2,501 to 2,505	4	July 1, 1916	1,000	5,000
July 1, 1899	2,615 to 2,617	4	July 1, 1916	1,000	3,000
July 2, 1900	2,758 to 2,761	3½	July 1, 1916	1,000	4,000
July 1, 1901	2,870 to 2,873	3½	July 1, 1916	1,000	4,000
July 1, 1902	2,997 to 2,999	3½	July 1, 1916	,000	3,000
July 1, 1903	3,118 to 3,121	4	July 1, 1916	1,000	4,000
July 1, 1904	3,283 to 3,284	4	July 1, 1916	1,000	2,000
July 1, 1904	3,285	4	July 1, 1916	500	500
October 1, 1903	3,174 to 3,175	4	Oct. 1, 1916	1,000	2,000
July 1, 1897	2,361 to 2,364	4	July 1, 1917	1,000	4,000
July 1, 1898	2,506 to 2,510	4	July 1, 1917	1,000	5,000
July 1, 1899	2,618 to 2,620	4	u 1, 1917	1,000	3,000
July 2, 1900	2,762 to 2,765	3½	July 1, 1917	1,000	4,000
July 1, 1901	2,874 to 2,877	3½	July 1, 1917	1,000	4,000
July 1, 1902	3,000 to 3,002	3	July 1, 1917	1,000	3,000
July 1, 1903	3,122 to 3,125	4	July 1, 1917	1,000	4,000
July 1, 1904	3,286 to 3,287	4	July 1, 1917	1,000	2,000
July 1, 1904	3,288	4	July 1, 1917	500	500
October 1, 1903	3,176 to 3,177	4	Oct. 1, 1917	1,000	2,000
July 1, 1898	2,511 to 2,515	4	July 1, 1918	1,000	5,000
July 1, 1899	2,621 to 2,623	4	July 1, 1918	1,000	3,000
July 2, 1900	2,766 to 2,769	3½	July 1, 1918	1,000	4,000
July 1, 1901	2,878 to 2,881	3½	July 1, 1918	1,000	4,000
	Amount carried forward . . .				\$1,019,000

CITY LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount brought forward . . .				\$1,019,000
July 1, 1902	3,003 to 3,005	3½	July 1, 1918	\$1,000	\$3,000
July 1, 1903	3,126 to 3,129	4	July 1, 1918	1,000	4,000
July 1, 1904	3,289 to 3,290	4	July 1, 1918	1,000	2,000
July 1, 1904	3,291	4	July 1, 1918	500	500
October 1, 1903	3,178 to 3,179	4	Oct. 1, 1918	1,000	2,000
July 1, 1899	2,624 to 2,625	4	July 1, 1919	1,000	2,000
July 2, 1900	2,770 to 2,773	3½	July 1, 1919	1,000	4,000
July 1, 1901	2,882 to 2,885	3½	July 1, 1919	1,000	4,000
July 1, 1902	3,006 to 3,008	3½	July 1, 1919	1,000	3,000
July 1, 1903	3,130 to 3,133	4	July 1, 1919	1,000	4,000
July 1, 1904	3,292 to 3,293	4	July 1, 1919	1,000	2,000
July 1, 1904	3,294	4	July 1, 1919	500	500
October 1, 1903	3,180 to 3,181	4	Oct. 1, 1919	1,000	2,000
July 2, 1900	2,774 to 2,777	3½	July 1, 1920	1,000	4,000
July 1, 1901	2,886 to 2,889	3½	July 1, 1920	1,000	4,000
July 1, 1902	3,009 to 3,011	3½	July 1, 1920	1,000	3,000
July 1, 1903	3,134 to 3,137	4	July 1, 1920	1,000	4,000
July 1, 1904	3,295 to 3,296	4	July 1, 1920	1,000	2,000
July 1, 1904	3,297	4	July 1, 1920	500	500
October 1, 1903	3,182 to 3,183	4	Oct. 1, 1920	1,000	2,000
July 1, 1901	2,890 to 2,893	3½	July 1, 1921	1,000	4,000
July 1, 1901	3,012 to 3,014	3½	July 1, 1921	1,000	3,000
July 1, 1903	3,138 to 3,141	4	July 1, 1921	1,000	4,000
July 1, 1904	3,298 to 3,299	4	July 1, 1921	1,000	2,000
July 1, 1904	3,300	4	July 1, 1921	500	500
October 1, 1903	3,184 to 3,185	4	Oct. 1, 1921	1,000	2,000
July 1, 1901	3,015 to 3,016	3½	July 1, 1922	1,000	2,000
July 1, 1903	3,142 to 3,145	4	July 1, 1922	1,000	4,000
July 1, 1904	3,301 to 3,302	4	July 1, 1922	1,000	2,000
July 1, 1904	3,303	4	July 1, 1922	500	500
	Amount carried forward . . .				\$1,095,500

CITY LOAN BONDS.—Concluded.

DATE.	Number of Bonds	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amount	brought	forward . .	. . .	\$1,095,500
October 1, 1903	3,186 to 3,187	4	Oct. 1, 1922	1,000	2,000
July 1, 1903	3,146 to 3,149	4	July 1, 1923	1,000	4,000
July 1, 1904	3,304 to 3,305	4	July 1, 1923	1,000	2,000
July 1, 1904	3,306	4	July 1, 1923	500	500
October 1, 1903	3,188 to 3,189	4	Oct. 1, 1923	1,000	2,000
July 1, 1904	3,307 to 3,308	4	July 1, 1924	1,000	2,000
July 1, 1904	3,309	4	July 1, 1924	500	500
	Total amount	of City	Loan Bonds	. . .	\$1,108,500

Sewer Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1894	64	4	July 1, 1905	\$1,000	\$1,000
July 1, 1897	181	4	July 1, 1905	1,000	1,000
July 1, 1898	205	4	July 1, 1905	1,000	1,000
July 1, 1901	227	3½	July 1, 1905	1,000	1,000
July 1, 1902	256	3½	July 1, 1905	1,000	1,000
July 1, 1903	280	4	July 1, 1905	1,000	1,000
July 1, 1904	304	4	July 1, 1905	1,000	1,000
October 1, 1893	47	4½	Oct. 1, 1905	1,000	1,000
July 1, 1894	65	4	July 1, 1906	1,000	1,000
July 1, 1897	182	4	July 1, 1906	1,000	1,000
July 1, 1898	206	4	July 1, 1906	1,000	1,000
July 1, 1901	228	3½	July 1, 1906	1,000	1,000
July 1, 1902	257	3½	July 1, 1906	1,000	1,000
July 1, 1903	281	4	July 1, 1906	1,000	1,000
July 1, 1904	305	4	July 1, 1906	1,000	1,000
October 1, 1893	48	4½	Oct. 1, 1906	1,000	1,000
July 1, 1894	66	4	July 1, 1907	1,000	1,000
July 1, 1897	183	4	July 1, 1907	1,000	1,000
July 1, 1898	207	4	July 1, 1907	1,000	1,000
July 1, 1901	229	3½	July 1, 1907	1,000	1,000
July 1, 1902	258	3½	July 1, 1907	1,000	1,000
July 1, 1903	282	4	July 1, 1907	1,000	1,000
July 1, 1904	306	4	July 1, 1907	1,000	1,000
October 1, 1893	49	4½	Oct. 1, 1907	1,000	1,000
July 1, 1894	67	4	July 1, 1908	1,000	1,000
July 1, 1897	184	4	July 1, 1908	1,000	1,000
July 1, 1898	208	4	July 1, 1908	1,000	1,000
July 1, 1901	230	3½	July 1, 1908	1,000	1,000
July 1, 1902	259	3½	July 1, 1908	1,000	1,000
July 1, 1903	283	4	July 1, 1908	1,000	1,000
	Amount	carried	forward . .	. . .	\$30,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward		\$30,000
July 1, 1904	307	4	July 1, 1908	\$1,000	1,000
October 1, 1893	50	4½	Oct. 1, 1908	1,000	1,000
July 1, 1894	68	4	July 1, 1909	1,000	1,000
July 1, 1897	185	4	July 1, 1909	1,000	1,000
July 1, 1898	209	4	July 1, 1909	1,000	1,000
July 1, 1901	231	3½	July 1, 1909	1,000	1,000
July 1, 1902	260	3½	July 1, 1909	1,000	1,000
July 1, 1903	284	4	July 1, 1909	1,000	1,000
J 1, 1904	308	4	July 1, 1909	1,000	1,000
October 1, 1893	51	4½	Oct. 1, 1909	1,000	1,000
July 1, 1894	69	4	July 1, 1910	1,000	1,000
July 1, 1897	186	4	July 1, 1910	1,000	1,000
July 1, 1898	210	4	July 1, 1910	1,000	1,000
July 1, 1901	232	3½	July 1, 1910	1,000	1,000
July 1, 1902	261	3½	July 1, 1910	1,000	1,000
July 1, 1903	285	4	July 1, 1910	1,000	1,000
July 1, 1904	309	4	July 1, 1910	1,000	1,000
October 1, 1893	52	4½	Oct. 1, 1910	1,000	1,000
July 1, 1894	70	4	July 1, 1911	1,000	1,000
July 1, 1897	187	4	July 1, 1911	1,000	1,000
July 1, 1898	211	4	July 1, 1911	1,000	1,000
July 1, 1901	233	3½	July 1, 1911	1,000	1,000
July 1, 1902	262	3½	July 1, 1911	1,000	1,000
July 1, 1903	286	4	July 1, 1911	1,000	1,000
July 1, 1904	310	4	July 1, 1911	1,000	1,000
October 1, 1893	53	4½	Oct. 1, 1911	1,000	1,000
July 1, 1894	71	4	July 1, 1912	1,000	1,000
July 1, 1897	188	4	July 1, 1912	1,000	1,000
July 1, 1898	212	4	July 1, 1912	1,000	1,000
	Amount	carried	forward		\$59,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
	Amount	brought	forward . .	. . .	\$59,000
July 1, 1901	234	3½	July 1, 1912	\$1,000	1,000
July 1, 1902	263	3½	July 1, 1912	1,000	1,000
July 1, 1903	287	4	July 1, 1912	1,000	1,000
July 1, 1904	311	4	July 1, 1912	1,000	1,000
July 1, 1894	72	4	July 1, 1913	1,000	1,000
July 1, 1897	189	4	July 1, 1913	1,000	1,000
July 1, 1898	213	4	July 1, 1913	1,000	1,000
July 1, 1901	235	3½	July 1, 1913	1,000	1,000
July 1, 1902	264	3½	July 1, 1913	1,000	1,000
July 1, 1903	288	4	July 1, 1913	1,000	1,000
July 1, 1904	312	4	July 1, 1913	1,000	1,000
July 1, 1894	73	4	July 1, 1914	1,000	1,000
July 1, 1897	190	4	July 1, 1914	1,000	1,000
July 1, 1898	214	4	July 1, 1914	1,000	1,000
July 1, 1901	236	3½	July 1, 1914	1,000	1,000
July 1, 1902	265	3½	July 1, 1914	1,000	1,000
July 1, 1903	289	4	July 1, 1914	1,000	1,000
July 1, 1904	313	4	July 1, 1914	1,000	1,000
July 1, 1897	191	4	July 1, 1915	1,000	1,000
July 1, 1898	215	4	July 1, 1915	1,000	1,000
July 1, 1901	237	3½	July 1, 1915	1,000	1,000
July 1, 1902	266	3½	July 1, 1915	1,000	1,000
July 1, 1903	290	4	July 1, 1915	1,000	1,000
July 1, 1904	314	4	July 1, 1915	1,000	1,000
July 1, 1897	192	4	July 1, 1916	1,000	1,000
July 1, 1898	216	4	July 1, 1916	1,000	1,000
July 1, 1901	238	3½	July 1, 1916	1,000	1,000
July 1, 1902	267	3½	July 1, 1916	1,000	1,000
July 1, 1903	291	4	July 1, 1916	1,000	1,000
	Amount	carried	forward .	. . .	\$88,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought forward . .	. . .		\$88,000
July 1, 1904	315	4	July 1, 1916	\$1,000	1,000
July 1, 1897	193	4	July 1, 1917	1,000	1,000
July 1, 1898	217	4	July 1, 1917	1,000	1,000
July 1, 1901	239	3½	July 1, 1917	1,000	1,000
July 1, 1902	268	3½	July 1, 1917	1,000	1,000
July 1, 1903	292	4	July 1, 1917	1,000	1,000
July 1, 1904	316	4	July 1, 1917	1,000	1,000
July 1, 1897	194	4	July 1, 1918	1,000	1,000
July 1, 1898	218	4	July 1, 1918	1,000	1,000
July 1, 1901	240	3½	July 1, 1918	1,000	1,000
July 1, 1902	269	3½	July 1, 1918	1,000	1,000
July 1, 1903	293	4	July 1, 1918	1,000	1,000
July 1, 1904	317	4	July 1, 1918	1,000	1,000
July 1, 1897	195	4	July 1, 1919	1,000	1,000
July 1, 1898	219	4	July 1, 1919	1,000	1,000
July 1, 1901	241	3½	July 1, 1919	1,000	1,000
July 1, 1902	270	3½	July 1, 1919	1,000	1,000
July 1, 1903	294	4	July 1, 1919	1,000	1,000
July 1, 1904	318	4	July 1, 1919	1,000	1,000
July 1, 1897	196	4	July 1, 1920	1,000	1,000
July 1, 1898	220	4	July 1, 1920	1,000	1,000
July 1, 1901	242	3½	July 1, 1920	1,000	1,000
July 1, 1902	271	3½	July 1, 1920	1,000	1,000
July 1, 1903	295	4	July 1, 1920	1,000	1,000
July 1, 1904	319	4	July 1, 1920	1,000	1,000
July 1, 1897	197	4	July 1, 1921	1,000	1,000
July 1, 1898	221	4	July 1, 1921	1,000	1,000
July 1, 1901	243	3½	July 1, 1921	1,000	1,000
July 1, 1902	272	3½	July 1, 1921	1,000	1,000
	Amount	carried forward . .	. . .		\$117,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought forward . .	. . .		\$117,000
July 1, 1903	296	4	July 1, 1921	\$1,000	1,000
July 1, 1904	320	4	July 1, 1921	1,000	1,000
July 1, 1897	198	4	July 1, 1922	1,000	1,000
July 1, 1898	222	4	July 1, 1922	1,000	1,000
July 1, 1901	244	3½	July 1, 1922	1,000	1,000
July 1, 1902	273	3½	July 1, 1922	1,000	1,000
July 1, 1903	297	4	July 1, 1922	1,000	1,000
July 1, 1904	321	4	July 1, 1922	1,000	1,000
July 1, 1898	223	4	July 1, 1923	1,000	1,000
July 1, 1901	245	3½	July 1, 1923	1,000	1,000
July 1, 1902	274	3½	July 1, 1923	1,000	1,000
July 1, 1903	298	4	July 1, 1923	1,000	1,000
July 1, 1904	322	4	July 1, 1923	1,000	1,000
July 1, 1901	246	3½	July 1, 1924	1,000	1,000
July 1, 1902	275	3½	July 1, 1924	1,000	1,000
July 1, 1903	299	4	July 1, 1924	1,000	1,000
July 1, 1904	323	4	July 1, 1924	1,000	1,000
July 1, 1901	247	3½	July 1, 1925	1,000	1,000
July 1, 1902	276	3½	July 1, 1925	1,000	1,000
July 1, 1903	300	4	July 1, 1925	1,000	1,000
July 1, 1904	324	4	July 1, 1925	1,000	1,000
July 1, 1901	248	3½	July 1, 1926	1,000	1,000
July 1, 1902	277	3½	July 1, 1926	1,000	1,000
July 1, 1903	301	4	July 1, 1926	1,000	1,000
July 1, 1904	325	4	July 1, 1926	1,000	1,000
July 1, 1901	249	3½	July 1, 1927	1,000	1,000
July 1, 1902	278	3½	July 1, 1927	1,000	1,000
July 1, 1903	302	4	July 1, 1927	1,000	1,000
July 1, 1904	326	4	July 1, 1927	1,000	1,000
	Amount	carried forward .	. . .		\$146,000

SEWER LOAN BONDS.—Continued.

DATE.	Number of Bonds.	Rate per cent. of Interest	When due.	Denomination.	Amount.
	Amount	brought forward .	. . .		\$146,000
July 1, 1901	250	3½	July 1, 1928	\$1,000	1,000
July 1, 1903	303	4	July 1, 1928	1,000	1,000
July 1, 1904	327	4	July 1, 1928	1,000	1,000
July 1, 1901	251	3½	July 1, 1929	1,000	1,000
July 1, 1904	328	4	July 1, 1929	1,000	1,000
July 1, 1901	252	3½	July 1, 1930	1,000	1,000
July 1, 1901	253	3½	July 1, 1931	1,000	1,000
Total amount	of Sewer Loan	Bonds	under debt	limit .	\$153,000

SEWER LOAN BONDS.—Concluded.

ISSUED UNDER AUTHORITY OF CHAPTER 357, ACTS OF 1895, BEYOND THE LIMIT
FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
July 1, 1895	110 to 113	4	July 1, 1905	\$1,000	\$4,000
July 1, 1895	114 to 116	4	July 1, 1906	1,000	3,000
July 1, 1895	117 to 119	4	July 1, 1907	1,000	3,000
July 1, 1895	120 to 122	4	July 1, 1908	1,000	3,000
July 1, 1895	123 to 125	4	July 1, 1909	1,000	3,000
July 1, 1895	126 to 128	4	July 1, 1910	1,000	3,000
July 1, 1895	129 to 131	4	July 1, 1911	1,000	3,000
July 1, 1895	132 to 134	4	July 1, 1912	1,000	3,000
July 1, 1895	135 to 137	4	July 1, 1913	1,000	3,000
July 1, 1895	138 to 140	4	July 1, 1914	1,000	3,000
July 1, 1895	141 to 143	4	July 1, 1915	1,000	3,000
July 1, 1895	144 to 146	4	July 1, 1916	1,000	3,000
July 1, 1895	147 to 149	4	July 1, 1917	1,000	3,000
July 1, 1895	150 to 152	4	July 1, 1918	1,000	3,000
July 1, 1895	153 to 155	4	July 1, 1919	1,000	3,000
July 1, 1895	156 to 158	4	July 1, 1920	1,000	3,000
July 1, 1895	159 to 161	4	July 1, 1921	1,000	3,000
July 1, 1895	162 to 164	4	July 1, 1922	1,000	3,000
July 1, 1895	165 to 167	4	July 1, 1923	1,000	3,000
July 1, 1895	168 to 170	4	July 1, 1924	1,000	3,000
July 1, 1895	171 to 173	4	July 1, 1925	1,000	3,000
Total amount	of Sewer Loan	Bonds	under above	Act . .	\$64,000

City Loan Paving Bonds.

ISSUED UNDER AUTHORITY OF CHAPTER 153, ACTS OF 1892, BEYOND
THE LIMIT FIXED BY LAW.

DATE. *	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomi- nation.	Amount.
October 1, 1892	61 to 65	4	Oct. 1, 1905	\$1,000	\$5,000
October 1, 1892	66 to 70	4	Oct. 1, 1906	1,000	5,000
October 1, 1892	71 to 75	4	Oct. 1, 1907	1,000	5,000
October 1, 1892	76 to 80	4	Oct. 1, 1908	1,000	5,000
October 1, 1892	81 to 85	4	Oct. 1, 1909	1,000	5,000
October 1, 1892	86 to 90	4	Oct. 1, 1910	1,000	5,000
October 1, 1892	91 to 95	4	Oct. 1, 1911	1,000	5,000
October 1, 1892	96 to 100	4	Oct. 1, 1912	1,000	5,000
	Total amount of	Paving	Bonds . .	. . .	\$40,000

Water Loan Bonds.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1896	b456	4	July 1, 1905	\$1,000	\$1,000
October 1, 1889	353 to 355	4	Oct. 1, 1905	1,000	3,000
October 1, 1890	452 to 453	4	Oct. 1, 1905	1,000	2,000
July 1, 1876	30 to 31	5½	July 1, 1906	5,000	10,000
July 1, 1896	b457	4	July 1, 1906	1,000	1,000
October 1, 1889	356 to 358	4	Oct. 1, 1906	1,000	3,000
October 1, 1890	454 to 455	4	Oct. 1, 1906	1,000	2,000
July 1, 1886	267 to 276	4	July 1, 1907	1,000	10,000
July 1, 1888	291	4	July 1, 1907	1,000	1,000
July 1, 1896	b458	4	July 1, 1907	1,000	1,000
October 1, 1889	359 to 361	4	Oct. 1, 1907	1,000	3,000
October 1, 1890	456 to 457	4	Oct. 1, 1907	1,000	2,000
July 1, 1888	292	4	July 1, 1908	1,000	1,000
July 1, 1896	b459	4	July 1, 1908	1,000	1,000
October 1, 1889	362 to 364	4	Oct. 1, 1908	1,000	3,000
October 1, 1890	458 to 459	4	Oct. 1, 1908	1,000	2,000
July 1, 1888	293	4	July 1, 1909	1,000	1,000
October 1, 1889	365 to 367	4	Oct. 1, 1909	1,000	3,000
October 1, 1890	423 to 424	4	Oct. 1, 1909	1,000	2,000
July 1, 1888	294	4	July 1, 1910	1,000	1,000
October 1, 1889	368 to 370	4	Oct. 1, 1910	1,000	3,000
October 1, 1890	426 to 427	4	Oct. 1, 1910	1,000	2,000
July 1, 1888	295	4	July 1, 1911	1,000	1,000
October 1, 1889	371 to 373	4	Oct. 1, 1911	1,000	3,000
October 1, 1890	428 to 429	4	Oct. 1, 1911	1,000	2,000
July 1, 1888	296	4	July 1, 1912	1,000	1,000
October 1, 1889	374 to 376	4	Oct. 1, 1912	1,000	3,000
October 1, 1890	430 to 431	4	Oct. 1, 1912	1,000	2,000
	Amount	carried	forward		\$70,000

WATER LOAN BONDS.—Concluded.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
	Amount	brought	forward		\$70,000
July 1, 1888	297	4	July 1, 1913	\$1,000	1,000
October 1, 1889	377 to 379	4	Oct. 1, 1913	1,000	3,000
October 1, 1890	432 to 433	4	Oct. 1, 1913	1,000	2,000
July 1, 1888	298	4	July 1, 1914	1,000	1,000
October 1, 1889	380 to 382	4	Oct. 1, 1914	1,000	3,000
October 1, 1890	434 to 435	4	Oct. 1, 1914	1,000	2,000
July 1, 1888	299	4	July 1, 1915	1,000	1,000
October 1, 1889	383 to 384	4	Oct. 1, 1915	1,000	2,000
October 1, 1890	436 to 437	4	Oct. 1, 1915	1,000	2,000
July 1, 1888	300	4	July 1, 1916	1,000	1,000
October 1, 1889	385 to 386	4	Oct. 1, 1916	1,000	2,000
October 1, 1890	438 to 439	4	Oct. 1, 1916	1,000	2,000
July 1, 1888	301	4	July 1, 1917	1,000	1,000
October 1, 1889	387 to 388	4	Oct. 1, 1917	1,000	2,000
October 1, 1890	440 to 441	4	Oct. 1, 1917	1,000	2,000
July 1, 1888	302	4	July 1, 1918	1,000	1,000
October 1, 1889	389 to 390	4	Oct. 1, 1918	1,000	2,000
October 1, 1890	442 to 443	4	Oct. 1, 1918	1,000	2,000
October 1, 1889	391 to 392	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	444 to 445	4	Oct. 1, 1919	1,000	2,000
October 1, 1890	446 to 447	4	Oct. 1, 1920	1,000	2,000
	Total amount	of	Water Loan	Bonds .	\$108,000

Metropolitan Park Assessment Loan Bonds.

ISSUED UNDER AUTHORITY OF CHAPTER 225, ACTS OF 1902, BEYOND
THE LIMIT FIXED BY LAW.

DATE.	Number of Bonds.	Rate per cent. of Interest.	When due.	Denomination.	Amount.
July 1, 1902	3	3½	July 1, 1905	1,000	1,000
July 1, 1902	4	3½	July 1, 1906	1,000	1,000
July 1, 1902	5	3½	July 1, 1907	1,000	1,000
July 1, 1902	6	3½	July 1, 1908	1,000	1,000
July 1, 1902	7	3½	July 1, 1909	1,000	1,000
July 1, 1902	8	3½	July 1, 1910	1,000	1,000
July 1, 1902	9	3½	July 1, 1911	1,000	1,000
July 1, 1902	10	3½	July 1, 1912	1,000	1,000
July 1, 1902	11	3½	July 1, 1913	1,000	1,000
July 1, 1902	12	3½	July 1, 1914	1,000	1,000
July 1, 1902	13	3½	July 1, 1915	1,000	1,000
July 1, 1902	14	3½	July 1, 1916	1,000	1,000
July 1, 1902	15	3½	July 1, 1917	1,000	1,000
July 1, 1902	16	3½	July 1, 1918	1,000	1,000
July 1, 1902	17	3½	July 1, 1919	1,000	1,000
July 1, 1902	18	3½	July 1, 1920	1,000	1,000
July 1, 1902	19	3½	July 1, 1921	1,000	1,000
July 1, 1902	20	3½	July 1, 1922	1,000	1,000
July 1, 1902	21	3½	July 1, 1923	1,000	1,000
July 1, 1902	22	3½	July 1, 1924	1,000	1,000
July 1, 1902	23	3½	July 1, 1925	1,000	1,000
July 1, 1902	24	3½	July 1, 1926	1,000	1,000
July 1, 1902	25	3½	July 1, 1927	1,000	1,000
July 1, 1902	26	3½	July 1, 1928	1,000	1,000
July 1, 1902	27	3½	July 1, 1929	1,000	1,000
Total amount	of Metropolitan	Park As	essment Loan	Bonds	\$25,000

Recapitulation.

City Loan Bonds	\$1,108,500 00	
Sewer Loan Bonds	153,000 00	
Total amount of Funded Debt within the limit provided by law		\$1,261,500 00
Sewer Loan Bonds, issued under Chapter 357, Acts of 1895	\$34,000 00	
City Loan Bonds, issued under Chapter 153, Acts of 1892	40,000 00	
Metropolitan Park Assessment Loan Bonds, issued under Chapter 325, Acts of 1902	25,000 00	
Total amount of Funded Debt outside of the limit allowed by law, issued under special Acts		129,000 00
Water Loan Bonds		108,000 00
Total amount of Funded Debt		\$1,498,500 00

TABLE C.—STATEMENT OF ACCOUNTS, SHOWING APPROPRIATIONS, EXPENDITURES, ETC., TO DECEMBER 31, 1904.**Appropriations.****CREDIT.**

Taxes, amount assessed for municipal purposes	\$834,770 00
Property and Debt Balance, amount provided by issue of bonds	132,500 00
	<hr/>
	\$967,270 00

DEBIT.

Appropriations from tax levy:—	
Assessors	\$10,200 00
City Auditor	750 00
City Clerk	6,100 00
City Engineer	11,900 00
City Messenger	2,300 00
City Solicitor	2,300 00
City Treasurer	9,500 00
Clerk of Committees and Departments	4,400 00
Contingent Fund	3,600 00
Election Expenses:—	
City Clerk	1,700 00
Commissioner of Public Buildings	1,000 00
Pay of Election Officers	3,000 00
Registrars of Voters	1,600 00
Electrical Department	7,250 00
Excess and Deficiency	8,401 43
Executive Department	3,900 00
Fire Department	23,900 00
Health Department	40,000 00
Highways:—	
Maintenance	5,375 00
Removal of Brown-tail Moths from Trees	3,000 00
Shade Trees	500 00
Tree Guards	1,000 00
Inspection of Buildings	4,100 00
Interest	53,500 00
Military Aid	1,000 00
Police	33,000 00
Printing and Stationery	2,500 00
Public Buildings Maintenance:—	
City Hall	4,200 00
City Hall Annex	800 00
Fire Department	4,900 00
Health Department	375 00
Highways	250 00
Police	3,200 00
Public Grounds	50 00
Public Library	4,500 00
Schoolhouses	51,643 57
Sewer Department	50 00
Support of Poor	600 00
Water Department	325 00
Public Grounds	11,000 00
Public Library	15,000 00
	<hr/>
Amount carried forward	\$342,670 00

Amount brought forward	\$342,670 00	
Reduction of Funded Debt	103,500 00	
School Contingent	24,000 00	
School Teachers' Salaries	249,500 00	
Sealer of Weights and Measures	1,100 00	
Sidewalks Maintenance	6,000 00	
Soldiers' Relief	20,000 00	
Somerville Hospital	5,000 00	
Street Lights	65,000 00	
Support of Poor:—		
City Home	4,000 00	
Miscellaneous	14,000 00	
		834,770 00
Appropriations on Funded Debt account:—		
Public Buildings Construction:—		
Dormitory at City Home	\$6,000 00	
Engine House in Ward Two	4,000 00	
Primary School Building (to relieve the schools in Ward Six)	30,000 00	
Public Grounds, Completion of Prospect Hill Park	2,000 00	
Highways:—		
Construction	10,000 00	
Paved Gutters and Crossings	14,000 00	
Paving Broadway, Bow and Summer Streets	21,500 00	
Sidewalks Construction	10,000 00	
Sewers Construction	25,000 00	
Renewal of Funded Debt	10,000 00	
		132,500 00
		<u>\$967,270 00</u>

Assessors.

CREDIT.

Appropriations, from Taxes, 1904	\$10,200 00
Excess and Deficiency account, balance transferred	401 52
	<u>\$10,601 52</u>

DEBIT.

(Expenditures.)

Cash, paid Albert B. Fales, salary as chair- man of the board of assessors	\$2,000 00
Benjamin F. Thompson, assessor	800 00
Nathan H. Reed, assessor	800 00
Harry A. True, assessor	800 00
Jesse J. Underhill, assessor	800 00
Fred B. Clapp, assistant assessor	250 00
Walter F. Turner, assistant assessor	250 00
George E. Elliott, assistant assessor	250 00
John J. Sheeran, assistant assessor	250 00
Gertrude G. Kendall, first assistant clerk, carfares	364 35
Jennie L. Jones, first assistant clerk	6 10
carfares	647 85
Mabel E. Hall, second assistant clerk	17 30
Aunita N. Fales, third assistant clerk	547 94
	229 56
Amount carried forward	<u>\$8,013 40</u>

Amount brought forward	\$8,013 40	
Charles R. Palmer, clerical services	64 00	
George H. Crosby, clerical services	54 00	
Raymond A. Farr, clerical services	52 00	
Theodore H. Locke, clerical services	52 00	
Florence H. Plimpton, clerical services	175 32	
Eva V. Tukey, clerical services	172 00	
Mabel M. Ham, clerical services	171 33	
Effie M. Fife, clerical services	149 35	
Bessie L. L. Crosby, clerical services	149 33	
Alice C. Rand, clerical services	130 65	
Josephine M. Briggs, clerical services	89 66	
Winnifred P. Briggs, clerical services	34 67	
S. Ward Co., stationery	207 37	
Carter's Ink Co., stationery	10 13	
Yawman & Erbe Mfg. Co., stationery	3 55	
Smith-Premier Typewriter Co., stationery	2 50	
L. E. Clayton, stationery	80	
H. Wood, stationery	80	
Whitney & Snow, stationery	80	
Somerville Post-office, postage	22 00	
Wesley A. Maynard, advertising	30 81	
Somerville Journal Co., printing precinct lists, etc.	915 91	
W. A. Greenough & Co., directory	3 50	
Seaver-Radford Co., directory	5 00	
Joseph Gridley, supper	8 00	
New England Telephone & Telegraph Co., service	82 64	
		<u>\$10,601 52</u>

Cash.**CREDIT.**

Payments as follows:—

Assessors	\$10,601 52
City Auditor	740 39
City Clerk	8,172 22
City Engineer	11,401 18
City Messenger	2,272 36
City Solicitor	2,211 61
City Treasurer	14,098 36
Clerk of Committees and Departments	4,400 00
Commonwealth of Massachusetts	116,290 08
Contagious Disease Hospital	100 00
Contingent Fund	3,282 42
Coupons Unpaid	58,945 00
County of Middlesex	59,484 41
Election Expenses:—	
City Clerk	1,745 44
Commissioner Public Buildings	954 92
Pay of Election Officers	2,994 00
Registrars of Voters	1,623 38
Electrical Department	7,995 46
Executive Department	3,840 82
Fire Department	69,360 65
Amount carried forward	<u>\$380,514 22</u>

Amount brought forward	\$380,514 22
Health Department	48,690 98
Highways:—	
Construction	25,361 98
Maintenance	86,790 46
Paved Gutters and Crossings	16,514 13
Paving Broadway, Bow and Summer Streets	13,830 93
Removing Brown-tail Moths	3,943 16
Shade Trees	791 35
Thorndike-street Subway	2,356 60
Tree Guards	713 20
Watering Streets	21,073 39
Inspection of Buildings	4,108 25
Interest	18,027 05
Military Aid	2,153 68
Overlay and Abatement	53 14
Police	78,912 83
Printing and Stationery	1,641 66
Public Buildings Construction:—	
Addition to Bingham School	17,816 49
Dormitory at City Home	5,789 78
Engine House in Ward Two	28,286 68
Primary School Building (to relieve schools in Ward 6),	5,585 20
Historical Building and Observatory on Prospect Hill .	253 50
Rifle Range in Waltham	693 21
Public Buildings Maintenance:—	
City Hall	3,603 95
City Hall Annex	875 04
Fire Department	6,428 41
Health Department	474 81
Highways	515 20
Police	4,213 11
Public Grounds	192 22
Public Library	2,521 89
Schoolhouses	61,138 20
Sewer Department	88 12
Support of Poor	1,089 81
Water Department	225 56
Public Grounds	12,680 17
Public Grounds, Prospect-hill Park Completion	1,630 70
Public Library	20,073 37
Public Library, Isaac Pitman Fund, Income, Art	241 54
Public Library, Isaac Pitman Fund, Income, Poetry	77 26
Real Estate Liens	27 04
Reduction Funded Debt	138,500 00
School Contingent	26,311 25
School Teachers' Salaries	250,580 68
Sealer Weights and Measures	1,472 45
Sewers Construction	16,076 19
Sewers Maintenance	12,498 99
Sidewalks Construction	25,792 15
Sidewalks Maintenance	6,637 62
Soldiers' Burials	490 00
Soldiers' Relief	21,047 10
State Aid	14,361 50
Somerville Hospital	5,000 00
Street Lights	64,885 04
Support of Poor, City Home	6,563 11
Support of Poor, Miscellaneous	20,476 54
Temporary Loans	755,000 00
Amount carried forward	\$2,245,690 89

Amount brought forward	\$2,245,690 89
Water Maintenance	44,925 49
Water Works Extension	22,982 48
Water Works, Abatements on Water Charges	1,000 46
Balance to debit of account, 1905	73,743 56
	<hr/>
	\$2,388,342 88

DEBIT.

Balance from 1903	\$61,714 58
Receipts as follows:—	
City Clerk	2,098 77
City Engineer	104 00
City Treasurer	4,855 36
Commonwealth of Massachusetts	2,173 11
Contingent Fund	465 43
Election Expenses, Pay of Election Officers,	10 00
Electrical Department	200 02
Fire Department	341 02
Funded Debt	132,500 00
Health Department	1,603 77
Highway Betterment Assessments	6,086 90
Highways:—	
Construction	9,273 57
Maintenance	23,388 38
Paved Gutters and Crossings	451 72
Paving Broadway, Bow and Summer Streets	466 95
Removing Brown-tail Moths	541 74
Watering Streets	118 00
Inspection of Buildings	51 00
Interest	12,381 19
Metered Water Charges	15,524 02
Overlay and Abatement	70 55
Police	5,655 27
Public Buildings Construction:—	
Engine House in Ward Two	309 00
Historical Building and Observatory, Prospect Hill	253 50
Public Buildings Maintenance:—	
Armory	810 22
City Hall Annex	7 00
Fire Department	2 85
Health Department	65 00
Highways	240 00
Police	450 00
Schoolhouses	124 88
Support of Poor	420 00
Public Grounds	1,258 30
Public Library	5,096 70
Public Library, Isaac Pitman Fund, Income, Art	160 00
Public Library, Isaac Pitman Fund, Income, Poetry	40 00
Real Estate Liens	409 24
Reduction Funded Debt	4,041 25
School Contingent	160 00
Sealer Weights and Measures	410 04
Sewer Assessments	3,742 77
Sewers Construction	274 52
	<hr/>
Amount carried forward	\$298,350 62

Amount brought forward	\$298,350 62	
Sewers Maintenance	328 37	
Sidewalk Assessments	11,277 43	
Sidewalks Construction	188 41	
Sidewalks Maintenance	221 30	
Soldiers' Relief	144 00	
State Aid	34 50	
Sundry Persons	50 00	
Support of Poor, City Home	3,724 74	
Support of Poor, Miscellaneous	3,088 98	
Taxes	1,116,347 33	
Temporary Loans	730,000 00	
Water Maintenance	19,496 14	
Water Service Assessments	3,537 40	
Water Works Extension	162 95	
Water Works Income	201,368 96	
Water Works, Abatements on Water Charges	21 75	
		<u>\$2,388,342 88</u>

City Auditor.

CREDIT.

Appropriations, from Taxes, 1904	\$750 00
Excess and Deficiency account, balance transferred	9 61
	<u>\$740 39</u>

DEBIT.

(Expenditures.)

Cash, paid Charles S. Robertson, salary as auditor	\$700 00
disbursements	23
Thomas Groom & Co., books and sta- tionery	10 75
Pneumatic Hand Stamp Co., hand stamps,	29 41
	<u>\$740 39</u>

City Clerk.

CREDIT.

Appropriations, from Taxes, 1904	\$6,100 00
Excess and Deficiency account, balance transferred	26 55
	<u>\$6,073 45</u>

Receipts:—

Cash, received of George I. Vincent, City Clerk:—	
Recording mortgages	\$507 50
Dog licenses	376 20
Marriage certificates	352 00
Licenses for billiards and pool	114 00
Licenses for amusements	75 00
Licenses for street musicians	19 00
Copies of records	53 50
Junk licenses	355 00
Licenses for slaughtering	5 00
Licenses for private detectives	20 00
Liquor licenses	35 00
Licenses for sale of fireworks	57 00
Licenses for intelligence offices	28 00
	<u>\$1,997 20</u>
Amounts carried forward	\$6,073 45

Amounts brought forward	\$1,997 20	\$6,073 45
Auctioneers' licenses	48 00	
Junk badges	1 30	
Interest on deposits	12 27	
	<hr/>	2,058 77
Stock and labor billed other departments:—		
Election Expenses, City Clerk		40 00
		<hr/>
		\$8,172 22

DEBIT.

(Expenditures.)

Cash, paid George I. Vincent, salary as city clerk	\$2,700 00	
disbursements	1 00	
Frederic W. Cook, assistant city clerk	1,400 00	
Clara B. Snow, first assistant	700 00	
Edith A. Woodman, second assistant	600 00	
Mary A. Sleeper, third assistant	426 60	
Alice M. Vincent, third assistant	511 22	
Mabel M. Ham, fourth assistant	107 38	
Charles E. Davis, census of births	58 40	
Seth Mason, census of births	58 10	
Elizabeth S. Webster, census of births	56 20	
Mary E. Lyman, census of births	30 60	
Clara Z. Elliot, census of births	21 60	
Sundry persons, return of births	358 00	
Sundry undertakers, reporting deaths	307 25	
Duren & Kendall, typewriter supplies	12 00	
Thorpe & Martin Co., repairing typewriter	11 06	
Smith-Premier Typewriter Co., supplies	10 14	
Oliver Typewriter Co., typewriter	124 00	
John Underwood & Co., typewriter ribbons	7 50	
Allen, Doane & Co., badges	3 40	
John Donnelly & Sons, posting	3 00	
McGrath & Woodley, stationery	90 25	
S. Ward Co., stationery	97 69	
Thomas Groom & Co., stationery	64 50	
Somerville Journal Co., printing	122 00	
Webcowit Press, printing	15 00	
Wesley A. Maynard, printing	27 00	
E. W. Doyle, printing	11 50	
Writer Publishing Co., book	1 00	
W. A. Greenough & Co., directory	3 50	
Sampson & Murdock Co., directory	6 00	
Hobbs & Warren Co., mortgage blanks	1 62	
T. H. Ball, mortgage blanks	2 27	
Heliotype Printing Co., maps	40 00	
Carter's Ink Co., ink	11 26	
Macey-Wernicke Co., cards	9 00	
Yawman & Erbe Mfg. Co., index cards	20 23	
Robert S. Robson, stamp	35	
New England Telephone & Telegraph Co., service	88 20	
Somerville Post-office, postage	32 00	
American Express Co., expressing	17 60	
Bancroft's Express, expressing	3 15	
Glines & Co., expressing	50	
Gilman Express Co., expressing	15	
	<hr/>	<hr/>
		\$8,172 22

City Engineer.

CREDIT.

Appropriations, from Taxes, 1904		\$11,900 00
Amounts transferred and unused:—		
Public Grounds account, amount transferred	\$421 87	
Sewers Maintenance account, amount transferred	180 95	
		<u>602 82</u>
		\$11,297 18

Receipts:—

Cash, received of George H. Allen, et al., plan	\$20 00	
Abutters on Holyoke road, plan	8 00	
Milton street, plan	5 00	
Glendale avenue, plan	5 00	
Richardson street, plan	5 00	
Farragut avenue, plan	5 00	
Prichard avenue, plan	8 00	
Waterhouse street, plan	5 00	
Heath street, plan	5 00	
Ossipee road, plan	5 00	
Moreland street, plan	8 00	
Josephine avenue, plan	10 00	
Malvern avenue, plan	5 00	
Yorktown street, plan	5 00	
Hawthorne street, plan	5 00	
		<u>104 00</u>
		\$11,401 18

DEBIT.

(Expenditures.)

Cash, paid Ernest W. Bailey, salary as city engineer	\$2,800 00
Engineer's assistants	7,818 33
Engineer's assistants, carfares	188 40
Thomas Groom & Co., stationery	38 55
Wadsworth, Howland & Co., stationery	67 39
W. S. Greenough & Co., stationery	80
M. L. Vinal, stationery	20
A. C. Libby & Sons, stationery	18 00
George W. Butters, stationery	50
M. T. Bird & Co., stationery	11 65
Library Bureau, cards	1 00
L. E. Clayton, cloth	1 60
J. H. Brooks, cotton	1 60
Jim Hodder & Brothers, brush and comb	1 00
Carter's Ink Co., typewriter supplies	3 50
C. E. Bray, disbursements	1 50
George O. W. Servis, photographs	2 00
G. G. Ledder, repairing transit	46 30
Frost & Adams Co., supplies	3 00
H. C. Dimond & Co., type and postage	1 34
W. P. Rice, stakes	20 00
Boston & Maine Railroad Co., engineering services	190 53
Amount carried forward	\$11,217 49

Amount brought forward	\$11,217 49	
Municipal Journal Publishing Co., sub- scription	3 00	
Whitney & Snow, hardware	29 39	
The Sprague & Hathaway Co.; frame	3 60	
Josiah Cummings & Son, bag	5 00	
New England Telephone & Telegraph Co., service	87 87	
Somerville Post-office, postage	18 50	
Thorpe's Express, expressing	45	
	<hr/>	
	\$11,365 30	
Sewers Maintenance account, setting stone bounds	35 88	
	<hr/>	
		\$11,401 18

City Messenger.

CREDIT.

Appropriations, from Taxes, 1904	\$2,300 00
Excess and Deficiency account, balance transferred	27 64
	<hr/>
	\$2,272 36

DEBIT.

(Expenditures.)

Cash, paid Jairus Mann, salary as city mes- senger	\$1,500 00	
disbursements	13 50	
S. C. & A. L. Jameson, board of horse	296 75	
C. L. Underhill, repairing buggy	19 00	
William Buckley, horseshoeing	4 75	
I. B. Walker, horseshoeing	80	
D. J. Bennett, harness work	18 25	
Henderson Brothers, carriage	250 00	
Jackson Caldwell & Co., sleigh	30 00	
L. H. Brown, carriage hire	112 00	
Morgan & Bond, horse blanket	6 00	
Thomas Groom & Co., stationery	2 50	
New England Telephone & Telegraph Co., service	11 81	
Charles L. Ellis, cash paid for assistance	7 00	
	<hr/>	
		\$2,272 36

City Solicitor.

CREDIT.

Appropriations, from Taxes, 1904	\$2,300 00
Excess and Deficiency account, balance transferred	88 39
	<hr/>
	\$2,211 61

DEBIT.

(Expenditures.)

Cash, paid Frank W. Kaan, salary as city solicitor	\$1,800 00	
office rent	150 00	
disbursements	100 56	
Dennis Kelley, salary as claim agent	100 00	
disbursements	48 05	
Benjamin F. Freeman, photographs	13 00	
	<hr/>	
		\$2,211 61

City Treasurer.

CREDIT.

Appropriations, from Taxes, 1904	\$9,500 00
Excess and Deficiency account, balance transferred	270 98
	<hr/>
	\$9,229 02

Receipts:—

Commonwealth of Massachusetts, fees for collecting National Bank tax	13 98
Cash, received of sundry persons, costs on taxes and assessments	4,855 36
	<hr/>
	\$14,098 36

DEBIT.

(Expenditures.)

Cash, paid James F. Beard, salary as city treasurer	\$3,000 00
Charles L. Ellis, deputy collector of taxes disbursements	1,350 00
Beulah M. Peirce, first assistant	20 10
Louise B. McLaughlin, second assistant	1,000 00
Florence M. Grow, third assistant	700 00
Marion C. Kendall, fourth assistant	600 00
Winnifred P. Briggs, clerical services	500 00
Susan L. Briggs, clerical services	236 01
Lilla A. Johnson, clerical services	308 01
Inez M. Felt, clerical services	148 00
Mary F. Osborne, clerical services	110 67
Malcolm E. Sturtevant, fees for collecting delinquent taxes	32 00
Charles E. Davis, fees for collecting delinquent taxes	617 86
Theodore H. Locke, fees for collecting delinquent taxes	529 50
F. W. Hopkins, fees for collecting delinquent taxes	244 00
John J. Kenney, fees for collecting delinquent taxes	224 50
John M. Driscoll, fees for collecting delinquent taxes	6 75
James Watters, fees for collecting delinquent taxes	1 00
Somerville National Bank, clearing house charges	50
National Security Bank, clearing house charges	5 46
Thomas Groom & Co., stationery	1 19
McGrath & Woodley, stationery	272 95
Somerville Journal Co., printing, advertising, etc.	24 00
Webcowit Press, printing	2,289 14
W. A. Greenough & Co., directories	450 75
Sampson, Murdock & Co., directories	7 00
New England Telephone & Telegraph Co., service	12 50
Walter B. Manny, adding machine	96 11
American Surety Co. of New York, treasurer's bond	376 55
	<hr/>
Amount carried forward	160 00
	<hr/>
	\$13,324 55

Amount brought forward	\$13,324 55	
Yale & Towne Mfg. Co., cleaning time lock	15 00	
George A. Smith, sharpening erasers	50	
Somerville Post-office, postage	385 90	
Outlook Envelope Co., envelopes	103 17	
H. D. Padelford, stamps	10 00	
George O. W. Servis, photographs	1 25	
Forbes Lithograph Mfg. Co., engraving bonds	110 00	
J. C. Hall Co., checks	115 20	
The Carter's Ink Co., ink	2 25	
H. C. Dimond & Co., type	79	
Edwin O. Childs, Registrar, recording documents	27 85	
American Express Co., expressing	55	
E. R. Perham, expressing	1 35	
		<u>\$14,098 36</u>

Clerk of Committees and Departments.

CREDIT.

Appropriations, from Taxes, 1904	\$4,400 00
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DEBIT.

(Expenditures.)

Cash, paid William P. Mitchell, salary as clerk of committees and departments	\$2,000 00	
disbursements	7 00	
Howard E. Wemyss, assistant	1,000 00	
disbursements	98	
Lucia A. Manning, assistant	600 00	
Nannee M. Sargent, assistant	391 10	
Bessie L. L. Crosby, assistant	108 90	
Thomas Groom & Co., stationery	63 95	
Thorpe & Martin Co., stationery	20 37	
Smith-Premier Typewriter Co., supplies	59 55	
Somerville Journal Co., printing	67 25	
Webcowit Press, printing	7 75	
W. A. Maynard, printing	7 50	
W. A. Greenough & Co., directory	3 50	
Seaver-Radford Co., directory	5 00	
Somerville Post-office, postage	56 75	
A. G. Renner, expressing	40	
		<u>\$4,400 00</u>

Commonwealth of Massachusetts.

CREDIT.

State Tax	\$44,000 00	
National Bank Tax	1,396 64	
Armory Loan Sinking Fund, 1904	\$1,690 03	
Interest on, 1904	2,300 10	
		<u>3,990 13</u>
Amount carried forward		<u>\$49,386 77</u>

Amount brought forward		\$49,386 77
Metropolitan Parks Loan Sinking Fund,		
1904	\$5,421 53	
Interest on Parks, 1904	9,092 37	
Interest on Boulevards, 1904	2,081 02	
Cost of Maintaining Parks, 1904	5,446 61	
Cost of Maintaining Boulevards, 1904	1,440 88	
Cost of Maintaining Nantasket, 1904	551 29	
		<hr/> 24,033 70
Metropolitan Sewer Loan Sinking Fund,		
North Metropolitan System, 1904	\$7,011 48	
Interest on, 1904	25,161 09	
Cost of Maintenance, 1904	18,231 97	
		<hr/> 50,404 54
Metropolitan Water Loan Sinking Fund,		
1904	\$16,404 42	
Interest on, 1904	54,938 64	
Cost of Maintenance, 1904	15,393 87	
		<hr/> 86,736 93
		<hr/> \$210,561 94
Balance to 1905		10 00
Cash	\$1,362 74	
	299 98	
	114 90	
	129 49	
	101 60	
	164 40	
		<hr/> 2,173 11
		<hr/> \$212,745 05

DEBIT.

Balance from 1903	\$14,943 46	
Corporation Taxes, 1903	1,230 78	
Corporation Taxes, 1904	21,704 06	
National Bank Tax, 1903	82 08	
National Bank Tax, 1904	4,666 85	
Support of State Paupers, 1903	35 88	
Temporary Support of State Paupers, 1903	14 00	
Support of State Paupers, 1904	271 57	
Temporary Support of State Paupers, 1904	203 32	
Burial of State Paupers, 1904	37 00	
Street Railway Tax, 1904	43,655 40	
Water Receipts, 1904	820 31	
Boston Elevated Railway Tax, 1904	7,965 91	
Fees for collecting National Bank Tax	13 98	
Cash	116,290 08	
Support of State Paupers	\$732 32	
Temporary Support State Paupers	16 55	
Tuition State Wards	61 50	
		<hr/> 810 37
		<hr/> \$212,745 05
Balance from 1904		\$10 00
State Aid, 1904		14,327 00
Soldiers' Burials, 1904		490 00
Military Aid, 1904		1,076 87
		<hr/> \$15,903 87
Balance to debit of account, 1905		<hr/> \$15,903 87

Contagious Disease Hospital and Land Contiguous to City Home Property.

CREDIT.

Balance to debit of account, 1905	\$100 00
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DEBIT.

(Expenditures.)

Cash, paid Irving L. Russell, share of purchase price, lot C	\$100 00
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Contingent Fund.

CREDIT.

Appropriations, from Taxes, 1904	\$3,600 00
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Amounts transferred and unused:—

Amount transferred to Public Buildings Construction, Rifle Range in Waltham account	\$500 00
Excess and Deficiency account, balance transferred	283 01
	<hr/> 783 01

	\$2,816 99
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Receipts:—

Cash, received of Fulton O'Brion, fees for weighing	\$5 43
Sundry persons, licenses to peddle	325 00
Sundry persons, druggists' licenses	35 00
Cambridge Gas Light Co., penalty im- posed by the Secretary of State	100 00
	<hr/> 465 43
	<hr/> \$3,282 42

DEBIT.

(Expenditures.)

Cash, paid E. F. Hicks, refreshments	\$160 00
S. H. Thompson, refreshments	28 50
George E. Ricker, refreshments	2 25
George E. Elliott, turkeys	234 77
F. H. Hosmer & Co., turkeys	213 03
M. L. King, turkeys	144 98
Burbeck Brothers, turkeys	94 37
Goodenough & Co., turkeys	90 45
Eugene Mead, carriage hire	40 00
L. H. Brown, carriage hire	24 00
S. C. & A. L. Jameson, carriage hire	15 00
Howard Lowell & Son, carriage hire	13 00
J. H. Colbath, ringing bell	6 00
Asbury Strahan, ringing bell	6 00
Trueman H. Thorpe, ringing bell	6 00
H. C. Towne, ringing bell	6 00
George B. Wiswall, ringing bell	6 00
E. A. Maynard, ringing bell	4 00
H. A. Kendall, ringing bell	3 50
J. G. Anthoine, rent of hall	20 00
Somerville Journal Co., printing jury lists,	21 50
Somerville Post-office, postage	24 00
	<hr/>

Amount carried forward	\$1,163 35
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Amount brought forward	\$1,163 35	
New England Telephone & Telegraph Co., service	81 67	
M. A. Mann, addressing invitations	7 50	
Whitney & Snow, hardware	21 15	
Company K, Eighth Regiment, M. V. M., transportation and rifle practice	150 00	
Company M, Eighth Regiment, M. V. M., transportation and rifle practice	150 00	
Willard C. Kinsley Post, 139, G. A. R., observance of Memorial Day	400 00	
Veteran Association, Company M, Eighth Regiment Infantry, Spanish-American War, decorating graves	25 00	
First Regiment Band, services of band	264 00	
Eighth Regiment Drum Corps, services	80 00	
Armed Battalion Band, services of band	70 00	
Byrne's Military Band, services of band	65 00	
J. Frank Facey, printing	12 00	
John P. Fiske, use of chairs	30 00	
B. F. Freeman, disbursements	389 25	
The Masten & Wells Fireworks Mfg. Co., fireworks	200 00	
Frank McGrath, handicapping games	23 20	
New England Calcium Light Co., lighting tableaux	12 00	
William Read & Sons, ammunition	17 55	
Leslie E. A. Smith, barge hire	32 00	
Underhill Hardware Co., steel tape	5 00	
Commonwealth of Massachusetts, 25 per cent. of liquor licenses	8 75	
J. E. Purdy & Co., portrait	75 00	
		<u>\$3,282 42</u>

County of Middlesex.

CREDIT.

Appropriations, from Taxes, 1904 \$59,484 41

DEBIT.

(Expenditures.)

Cash, paid County Tax \$59,484 41

Coupons Unpaid.

CREDIT.

Balance of coupons unpaid January 1, 1904 \$26,385 00

Coupons maturing April 1, 1904:—

Water Loan, \$76,000, six months at 4 per cent. \$1,520 00

Sewer Loan, \$8,000, six months at 4½ per cent. 180 00

Paving Loan, \$45,000, six months at 4 per cent. 900 00

City Loan, \$46,000, six months at 4 per cent. 920 00

3,520 00

Amount carried forward \$29,905 00

Amount brought forward		\$29,905 00
Coupons maturing July 1, 1904:—		
City Loan, \$329,000, six months at 3½ per cent.	\$5,757 50	
City Loan, \$733,500, six months at 4 per cent.	14,670 00	
Sewer Loan, \$52,000, six months at 3½ per cent.	910 00	
Sewer Loan, \$143,000, six months at 4 per cent.	2,860 00	
Metropolitan Park Assessment Loan, \$26,000, six months at 3½ per cent.	455 00	
Water Loan, \$37,000, six months at 4 per cent.	740 00	
Water Loan, \$10,000, six months at 5½ per cent.	275 00	
		<hr/> 25,667 50
Coupons maturing October 1, 1904:—		
City Loan, \$46,000, six months at 4 per cent.	\$920 00	
Sewer Loan, \$8,000, six months at 4½ per cent.	180 00	
Paving Loan, \$45,000, six months at 4 per cent.	900 00	
Water Loan, \$76,000, six months at 4 per cent.	1,520 00	
		<hr/> 3,520 00
Coupons maturing January 1, 1905:—		
City Loan, \$299,000, six months at 3½ per cent.	\$5,232 50	
City Loan, \$768,500, six months at 4 per cent.	15,370 00	
Sewer Loan, \$50,000, six months at 3½ per cent.	875 00	
Sewer Loan, \$160,000, six months at 4 per cent.	3,200 00	
Metropolitan Park Assessment Loan, \$25,000, six months, at 3½ per cent.	437 50	
Water Loan, \$26,000, six months at 4 per cent.	520 00	
Water Loan, \$10,000, six months at 5½ per cent.	275 00	
		<hr/> 25,910 00
		<hr/> \$85,002 50
DEBIT.		
Cash, paid coupons	\$58,945 00	
Coupons of 1904 unpaid	26,057 50	
		<hr/> \$85,002 50

Election Expenses, City Clerk.

CREDIT.		
Appropriations, from Taxes, 1904		\$1,700 00
Excess and Deficiency account, balance transferred		45 44
		<hr/> \$1,745 44

DEBIT.

(Expenditures.)

Cash, paid John Donnelly & Sons, posting .	\$53 00	
James B. Fay, services	2 00	
Commonwealth of Massachusetts, counting apparatus	5 00	
Webcowit Press, printing	24 25	
Wesley A. Maynard, advertising	92 81	
Somerville Journal Co., printing	1,102 91	
Thomas Hearn & Co., paper ruling	20 00	
McGrath & Woodley, precinct books, etc.	68 75	
S. Ward Co., stationery	24 12	
Allen, Doane & Co., stamps	2 40	
Robert S. Robson, stamps and seal	40 00	
Whitney & Snow, hardware	2 35	
C. L. Underhill, paper weight	40	
H. Wood, keys, etc.	1 25	
Somerville Journal Co., postage	10 00	
Sprague & Hathaway Co., mounting maps	4 50	
Bicknell & Fuller Paper Box Co., box	1 00	
L. Emma Clayton, tape	70	
Howard Lowell & Son, carriage hire	56 00	
George F. McKenna & Co., carriage hire,	56 00	
Eugene Mead, carriage hire	75 00	
L. H. Brown, carriage hire	63 00	
	<hr/>	
	\$1,705 44	
City Clerk account, maps	40 00	
	<hr/>	
		<u>\$1,745 44</u>

Election Expenses, Commissioner of Public Buildings.

CREDIT.

Appropriations, from Taxes, 1904	\$1,000 00
Excess and Deficiency account, balance transferred	45 08
	<hr/>
	\$954 92

DEBIT.

(Expenditures.)

Cash, paid Philip Eberle, rent of hall	\$100 00	
Simon Connor & Co., rent of hall	55 00	
W. F. Flemming, rent of hall	5 00	
Warren E. Locke, rent of hall	26 00	
Odd Fellows Building Association, rent of hall	80 00	
Harris P. Tibbetts, carpentering	672 32	
Arthur C. Gordon, lettering	3 00	
E. S. Sparrow & Co., lanterns	5 60	
W. H. Thomas, janitor's services	8 00	
	<hr/>	
		<u>\$954 92</u>

Election Expenses, Pay of Election Officers.

CREDIT.

Appropriations, from Taxes, 1904	\$3,000 00
Excess and Deficiency account, balance transferred . . .	16 00

 \$2,984 00

Cash, received of sundry election officers, money not called for	10 00
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 \$2,994 00

DEBIT.

(Expenditures.)

Cash, paid election officers	\$2,994 00
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Election Expenses, Registrars of Voters.

CREDIT.

Appropriations, from Taxes, 1904	\$1,600 00
Excess and Deficiency account, balance transferred . . .	23 38

 \$1,623 38

DEBIT.

(Expenditures.)

Cash, paid Charles P. Lincoln, salary as registrar	\$200 00
Charles E. Parks, salary as registrar	200 00
Levi F. S. Davis, salary as registrar	200 00
George I. Vincent, salary as registrar	200 00
Charles G. Brett, clerical services	42 00
Frederic W. Cook, clerical services	42 00
George E. Davis, clerical services	42 00
Frank E. Merrill, clerical services	39 00
Fred E. Warren, clerical services	3 00
John Donnelly & Sons, bill posting	67 50
Thomas Groom & Co., book binding	6 50
McGrath & Woodley, precinct books	50 00
Wesley A. Maynard, advertising	31 00
Somerville Journal Co., printing	500 38
	<hr/>
	\$1,623 38

Electrical Department.

CREDIT.

Appropriations, from Taxes, 1904	\$7,250 00
Excess and Deficiency account, balance transferred . . .	545 44

 \$7,795 44

Receipts:—

Cash, received of J. J. McCarthy, wire	\$14 02
Edison Electric Illuminating Co., wire	183 00
	<hr/>
	197 02

 \$7,992 46

DEBIT.

(Expenditures.)

Cash, paid Edward Backus, salary as superintendent of electric lines and lights .	\$1,300 00
Laborers .	4,069 88
American Steel & Wire Co., electrical supplies .	327 25
Chandler & Farquhar, electrical supplies, .	16 38
Clifton Mfg. Co., electrical supplies .	10 83
S. H. Couch Co., electrical supplies .	58 11
Electric Gas Lighting Co., electrical supplies .	418 46
Thomas W. Gleason, electrical supplies .	48 90
F. W. Kimball, electrical supplies .	50 71
Pettingell-Andrews Co., electrical supplies .	35 78
W. E. Decrow, electrical supplies .	379 51
Electric Storage Battery Co., electrical supplies .	33 40
Globe Gas Light Co., electrical supplies .	1 50
New England Telephone & Telegraph Co., electrical supplies .	45 31
F. M. Ferrin, electrical supplies .	167 70
C. H. Crosby & Co., electrical supplies .	39 00
Stewart & Pownall, electrical supplies .	20 00
Edison Electric Illuminating Co., electric work .	18 33
W. E. Plumer & Co., hardware .	6 85
Underhill Hardware Co., hardware .	79 97
Boston Bolt Co., hardware .	3 29
Whitney & Snow, hardware .	35
D. J. Bennett, harness work .	36 65
Elms Farm Boarding Stable, boarding horse .	33 50
J. A. Kiley, repairing buggy, etc. .	60 05
Hill & Holt, repairing .	3 15
H. E. Hall, horse .	200 00
William Hall & Co., castings .	1 88
John T. Sellon, fire box glasses .	7 88
The Mitchell Mfg. Co., plating badge .	1 50
John Flanagan, repairing valves .	2 00
James F. Davlin, piping whistle, etc. .	95 47
Charles E. Perry & Co., paper .	49 60
Charles E. Berry, eye bolt, etc. .	5 89
W. H. Bullard, supplies .	3 48
Somerville Journal Co., printing .	46 35
Somerville Post-office, postage .	4 00
Thomas Groom & Co., stationery \$6 00	
	3 00
	3 00
Howard Lowell & Son, use of horse .	2 00
American Express Co., expressing .	1 40
A. G. Renner, expressing .	15

Fire Department, board of horses . . .

\$7,692 46

300 00

\$7,992 46

Excess and Deficiency.

CREDIT.	
Appropriations, from Taxes, 1904	\$8,401 43

DEBIT.	
Balance from 1903	\$8,401 43

CREDIT.	
City Auditor, balance of 1904 account	\$9 61
City Clerk, balance of 1904 account	26 55
City Messenger, balance of 1904 account	27 64
City Solicitor, balance of 1904 account	88 39
City Treasurer, balance of 1904 account	270 93
Contingent Fund, balance of 1904 account	283 01
Election Expenses, Commissioner of Public Buildings, balance of 1904 account	45 08
Election Expenses, Pay of Election Officers, balance of 1904 account	16 00
Executive Department, balance of 1904 account	59 18
Highways, Tree Guards, balance of 1904 account	36 80
Inspection of Buildings, balance of 1904 account	42 75
Interest, balance of 1904 account	1,791 64
Printing and Stationery, balance of 1904 account	858 34
Public Buildings Maintenance, Armory, balance of 1904 account	800 00
Public Buildings Maintenance, City Hall, balance of 1904 account	596 05
Public Buildings Maintenance, Public Library, balance of 1904 account	1,978 11
Public Buildings Maintenance, Water Department, balance of 1904 account	99 44
Public Library, balance of 1904 account	23 33
Reduction Funded Debt, balance of 1904 account	4,041 25
Sealer Weights and Measures, balance of 1904 account	37 59
Street Lights, balance of 1904 account	114 96
Support of Poor, City Home, balance of 1904 account	1,186 63
	<hr/>
	\$12,433 33
Balance to debit of account, 1905	45,509 19
	<hr/>
	\$57,942 52

DEBIT.	
Assessors, balance of 1904 account	\$401 52
Election Expenses, City Clerk, balance of 1904 account	45 44
Election Expenses, Registrars of Voters, balance of 1904 account	23 38
Electrical Department, balance of 1904 ac- count	545 44
Fire Department, balance of 1904 account	11,058 30
Health Department, balance of 1904 account	7,087 21
Highways Maintenance, balance of 1904 ac- count	6,405 77
Highways, Removing Brown-tail Moths, balance of 1904 account	401 42
Highways, Watering Streets, balance of 1904 account	40 71
	<hr/>
Amount carried forward	\$26,009 19

Amount brought forward	\$26,009 19	
Highways, Shade Trees, balance of 1904 account	41 35	
Military Aid, balance of 1904 account	76 81	
Overlay and Abatement, balance of 1904 account	623 32	
Police, balance of 1904 account	12,573 79	
Public Buildings Maintenance, City Hall Annex, balance of 1904 account	68 04	
Public Buildings Maintenance, Fire Department, balance of 1904 account	1,525 56	
Public Buildings Maintenance, Health, balance of 1904 account	34 81	
Public Buildings Maintenance, Highways, balance of 1904 account	25 20	
Public Buildings Maintenance, Police, balance of 1904 account	563 11	
Public Buildings Maintenance, Public Grounds, balance of 1904 account	142 22	
Public Buildings Maintenance, Schoolhouses, balance of 1904 account	9,369 75	
Public Buildings Maintenance, Sewer Department, balance of 1904 account	38 12	
Public Buildings Maintenance, Support of Poor, balance of 1904 account	69 81	
School Contingent, balance of 1904 account	2,089 75	
School Teachers' Salaries, balance of 1904 account	1,080 68	
Sewers Maintenance, balance of 1904 account	189 67	
Sidewalks Maintenance, balance of 1904 account	416 32	
Soldiers' Relief, balance of 1904 account	903 10	
Support of Poor, Miscellaneous, balance of 1904 account	2,101 92	
	<hr/>	\$57,942 52
		<hr/> <hr/>

Executive Department.

CREDIT.

Appropriations, from Taxes, 1904	\$3,900 00
Excess and Deficiency account, balance transferred	59 18
	<hr/>
	\$3,840 82

DEBIT.

Cash, paid Hon. Leonard B. Chandler, salary as mayor	\$2,500 00
Fred E. Warren, secretary to the mayor, disbursements	1,200 00
Underwood Typewriter Co., supplies	84
S. Ward Co., stationery	2 00
Somerville Journal Co., printing and stationery	16 25
W. A. Greenough & Co., directory	30 00
New England Telephone & Telegraph Co., service	3 50
	88 23
	<hr/>
	\$3,840 82
	<hr/> <hr/>

Fire Department.

CREDIT.

Appropriations, from Taxes, 1904	\$23,900 00
Transferred from Water Works Income account	34,061 33
Excess and Deficiency account, balance transferred	11,058 30

 \$69,019 63

Stock and labor billed other departments:—

Electrical Department, board of horse	300 00
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 \$69,319 63

DEBIT.

(Expenditures.)

Cash, paid James R. Hopkins, salary as chief engineer	\$2,000 00
Nathaniel C. Barker, assistant engineer	240 17
Permanent firemen and substitutes	35,823 77
Callmen:—	
Steamer Co. No. 1	1,572 00
Steamer Co. No. 2	1,402 37
Steamer Co. No. 4	1,310 50
Hose Co. No. 2	1,376 00
Hose Co. No. 3	1,396 00
Hose Co. No. 5	1,354 00
Hose Co. No. 6	844 17
Hose Co. No. 7	696 00
Hook & Ladder Co. No. 1	2,037 16
Hook & Ladder Co. No. 2	2,074 36
Fulton O'Brien, hay and grain	563 98
Hobart S. Palmer, hay and grain	756 07
Nathan Tufts & Sons, hay and grain	2,344 09
Lord & Webster, hay and grain	147 86
Proctor Brothers, hay and grain	787 59
F. C. Dinsmore, hay and grain	51 52
J. H. Edwards, horseshoeing	144 28
George W. Ladd, horseshoeing	64 85
Edward O'Brien, horseshoeing	85 80
W. H. Richardson, horseshoeing	153 35
J. B. Rufer, horseshoeing	360 85
J. H. Thompson, horseshoeing	43 60
I. B. Walker, horseshoeing	156 75
William Buckley, horseshoeing	28 05
Thomas L. Deegan, horseshoeing	3 25
Daniel Shay, horseshoeing	3 05
Jameson Brothers, horseshoeing	56 10
Nathaniel C. Barker, horse and carriage	150 00
Welch & Hall, horses	370 83
H. C. Boardman, harness riveters	6 25
F. D. & J. W. Bartlett, bit holders	10 00
J. W. Bartlett, harness repairs	4 50
Charles R. Simpson, veterinary services	63 00
John G. Lesure, horse medicine	15 00
Eclipse Animal Food Co., supplies	10 00
Ame & Co., standard food	6 00
H. O. Austin, harness work	8 55
D. J. Bennett, harness work	236 10
H. S. Harris & Son, harness work	763 93
D. McDonald, harness work	18 65

 Amount carried forward \$59,540 35

Amount brought forward	\$59,540 35
Morgan & Bond, blankets	22 65
Archibald Wheel Co., repairing wagons	135 39
Charles E. Berry, repairing wagons	566 96
Firestone Tire & Rubber Co., repairing wagons	287 25
J. A. Kiley, repairing wagons	571 65
J. B. Rufer, repairing wagons	42 50
L. A. Wright, repairing wagons	70 00
William T. Henderson, repairing wagons	11 50
The Hale & Mayhew Co., repairing wagons	1 50
American La France Fire Engine Co., rebuilding engine	2,532 00
Henderson Brothers, fuel wagon	225 00
American Fire Engine Co., repairing apparatus	44 50
Edward Kendall & Sons, repairing apparatus	322 93
Crosby Steam Gage & Valve Co., repairing apparatus	4 50
E. Teele & Co., repairing apparatus	43 95
Boston Nickel Plating Co., plating	1 50
The Smith Brothers Co., links	12 50
S. D. Hicks & Son, stoppers	1 50
William T. Wood & Co., tongs	2 00
F. W. Barry, Beale & Co., stationery	11 10
Thorpe & Martin Co., stationery	1 00
Walter Burton, work on pictures	13 00
"Fire & Water Engineering," subscription	6 00
W. A. Greenough & Co., directory	3 50
Harry S. Marston, record books	6 00
Somerville Post-office, postage	5 00
Smith-Premier Typewriter Co., repairing,	90
Mrs. M. E. Calvert, washing	153 98
Mrs. I. C. Jackson, washing	115 34
Mrs. W. Loveland, washing	42 25
Mrs. Samuel H. Stevens, washing	45 51
Mrs. E. F. Trefren, washing	42 48
A. M. Spike, washing	30 00
S. C. Baxter, inspection	2 00
E. W. Ring, services	72 00
Underhill Hardware Co., hardware	15 84
Whitney & Snow, hardware	43 24
W. E. Plumer & Co., hardware	32 86
E. S. Sparrow & Co., hardware	6 17
J. A. Durell, hardware	3 55
Leander Barber, brooms and brushes	25 50
Murphy, Leavens & Co., brooms and brushes	106 50
Continental Brush Co., brooms and brushes	57 00
William A. Haskell, mops	8 63
W. F. Webb, mops	4 00
George William Waite Co., soap	15 87
George W. Norton, soap	12 60
Sartwell, Heinold & Humphrey, soap	4 80
J. Wesley Edmonds & Son, metal polish	8 91
Henry K. Barnes, hose	163 65
Amount carried forward	\$65,499 31

Amount brought forward	\$65,499 31
Boston Coupling Co., hose	1,324 15
Boston Woven Hose & Rubber Co., hose	11 75
Eureka Fire Hose Co., hose	70 00
The Cornelius Callahan Co., hose	190 05
Cornelius Callahan, hose	280 00
James M. Baker, hose carriers	12 00
W. A. Snow & Co., strainers	50
John L. Crafts, canvas apron, etc.	24 60
The F. M. Keeler Co., chamois	15 00
Cambridge Ice Co., ice	38 10
Fresh Pond Ice Co., ice	32 75
Boston Ice Co., ice	6 00
Winter Hill Ice Co., ice	6 00
Wellington-Wild Coal Co., fuel	38 36
F. S. Hayward & Co., lanterns	41 85
James Bartley, salt	20
Mathieson Alkali Works, soda	\$64 54
	41 02
	<hr/>
	23 52
Highland Coal Co., lime	1 05
Eastern Oil & Gasolene Supply Co., oil	111 72
Borne, Scrymser Co., oil	2 40
F. E. Fitts Mfg. & Supply Co., waste	44 25
Eastern Drug Co., acid	49 68
Hinds & Coon, polish	18 00
Alvah C. Stone, enamel	28 50
Elias Lathrop, ointment	16 00
J. Hurd Brown, lubricant	5 00
F. P. Merrill Co., nutriotine	19 50
Fulton O'Brion, shavings	1 05
R. G. Perkins, medicine	15 35
Milton H. Plummer, medicine	2 50
James M. Berry, medicine	4 20
Electric Gas Lighting Co., electrical supplies	30 35
West Disinfecting Co., disinfecting apparatus	10 00
Knox & Morse Co., disinfectant	20 00
Winchester Tar Disinfectant Co., disinfectant	8 90
E. P. Gleason Mfg. Co., repairing hats	8 75
The Mitchell Mfg. Co., badges	42 15
The Boston Regalia Co., insignia	14 44
Cairns & Brother, repairing hat	4 55
George Reichhard & Sons, supplies	10 67
C. Bowen, work on bell	100 00
C. L. Underhill, iron work	13 80
J. Greenleaf & Co., anvil, etc.	9 50
McBarron & Co., forge	20 00
Scrannage Brothers, brass strips	11 45
C. W. H. Moulton & Co., ladder and repairing	129 00
Welch, Dwyer & Grady, painting	20 00
Arthur C. Gordon, lettering	5 00
Charles E. Berry, repairing	73 45
C. V. Cook, repairing clock	1 00
Fred W. Farrar, repairing clock	4 00
Standard Extinguisher Co., extinguishers	246 00
H. H. Osgood & Co., squilgees	12 00
	<hr/>
Amount carried forward	\$68,728 35

Amount brought forward	\$68,728 35	
H. Wood, repairing	3 00	
William S. Howe, piping, etc.	10 49	
C. F. Mills, carpentering	56 37	
F. C. Ayer, lumber	3 19	
J. C. Rauch, refreshments	13 00	
George B. Phillips, lunch	5 20	
Howard Lowell & Son, carriage hire	24 00	
Henry S. Harris & Son, horse	125 00	
Rufer & Creamer, use of horses	5 00	
Charles T. Garland, use of horses	10 00	
A. M. Prescott, use of horses	5 00	
New England Telephone & Telegraph Co., service	204 46	
Thorpe's Express, expressing	80	
American Express Co., expressing	5 25	
Glines & Co., expressing	97 17	
E. R. Perham, expressing	5 80	
D. & W. Somerville Express Co., ex- pressing	2 55	
Gilman Express Co., expressing	4 25	
M. G. Staples, expressing	8 00	
A. G. Renner, expressing	2 75	
		<u>\$69,319 63</u>

Fire Department, Combination Ladder Truck and Chemical Engine.

CREDIT.

Transferred from Sewers Construction account	\$2,500 00
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DEBIT.

Balance to credit of account, 1905	<u>\$2,500 00</u>
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Funded Debt.

CREDIT.

Funded Debt as stated January 1, 1904	\$1,505,500 00
Issue of 1904:—	
City Loan Bonds Nos. 3190 to 3309	\$107,500 00
Sewer Loan Bonds Nos. 304 to 328	25,000 00
	<u>132,500 00</u>
	<u>\$1,638,000 00</u>

DEBIT.

Bonds matured in 1904:—	
City Loan Bonds Nos. 1665 to 1673	\$9,000 00
City Loan Bonds Nos. 1882 to 1899	18,000 00
City Loan Bonds Nos. 2124 to 2131	8,000 00
City Loan Bonds Nos. 2285 to 2293	9,000 00
City Loan Bonds Nos. 2417 to 2426	10,000 00
City Loan Bonds Nos. 2548 to 2555	8,000 00
City Loan Bonds Nos. 2662 to 2673	12,000 00
City Loan Bonds Nos. 2794 to 2801	8,000 00
City Loan Bonds Nos. 2904 to 2913	10,000 00
	<u>\$92,000 00</u>
Amount carried forward	\$92,000 00

Amount brought forward	\$92,000 00
City Loan Bonds Nos. 3017 to 3026	10,000 00
City Loan Bond No. 3027	500 00
City Loan Bonds Nos. 1218 to 1220	3,000 00
City Loan Bonds Nos. 3150 to 3151	2,000 00
Sewer Loan Bond No. 63	1,000 00
Sewer Loan Bond No. 180	1,000 00
Sewer Loan Bond No. 204	1,000 00
Sewer Loan Bond No. 226	1,000 00
Sewer Loan Bond No. 255	1,000 00
Sewer Loan Bond No. 279	1,000 00
Sewer Loan Bond No. 46	1,000 00
Sewer Loan Bonds Nos. 106 to 109	4,000 00
Paving Loan Bonds Nos. 56 to 60	5,000 00
Water Loan Bonds Nos. 257 to 266	10,000 00
Water Loan Bond No. 455	1,000 00
Water Loan Bonds Nos. 351 to 352	2,000 00
Water Loan Bonds Nos. 450 to 451	2,000 00
Metropolitan Park Assessment Loan Bond No. 2	1,000 00

 \$139,500 00

Present Funded Debt, balance of account 1,498,500 00

 \$1,638,000 00

Health Department.

CREDIT.

Appropriations, from Taxes, 1904	\$40,000 00
Excess and Deficiency account, balance transferred	7,087 21
	<hr/>
	\$47,087 21

Receipts:—

Cash, received of Middlesex Paper Co., paper	\$312 75
J. E. Richardson, milk inspector's fees	131 02
William P. Mitchell, permits to keep swine	60 00
Hannibal S. Pond, offal	1,100 00
	<hr/>
	1,603 77
	<hr/>
	\$48,690 98

DEBIT.

(Expenditures.)

Cash, paid Caleb A. Page, salary as in- spector	\$1,300 00
Sundry persons, burying dead animals	122 50
Edgar T. Mayhew, salary as superin- tendent	1,200 00
Julius E. Richardson, salary as milk in- spector	1,000 00
disbursements	4 06
Charles M. Berry, salary as inspector of animals and provisions	900 00
fumigating, etc.	14 90
Frank L. Morse, M. D., salary as bacteri- ologist	800 00
	<hr/>
Amount carried forward	\$5,341 46

Amount brought forward	\$5,341 46
disbursements	13 35
Laborers	31,878 00
E. F. Benson, repairing regenerator	24 00
A. P. Rockwood's stable, board of horse,	280 00
A. P. Rockwood's stable, storing am- bulance	14 00
J. H. Thompson, board of horse	127 22
Melvin & Badger, drugs	50 35
Eastern Drug Co., drugs	5 70
Converse N. Shedd, disinfectant	50
Winchester Tar Disinfectant, disin- fectant	2 75
The Sanitas Co., disinfectant	5 00
New England Vaccine Co., vaccine points,	6 60
F. W. Gay, medicine	1 75
Milton H. Plummer, medicine	13 40
Schlegel & Fottler Co., tongue depressors	2 00
Medford Board of Health, reimbursement scarlet fever case	20 85
City of Worcester, care of patient	67 14
State Board of Health, culture outfits	18 00
City of Boston, care of patient	26 00
City of Brockton, care of patient	25 00
City of Cambridge, care of patients	566 37
A. E. Mann, coffin and box	15 00
Mrs. H. W. Coaker, care of Jessie Camp- bell	60 00
H. A. French, groceries	1 92
Proctor Brothers, hay and grain	4,917 79
H. O. Austin, harness work	23 95
D. J. Bennett, harness work	770 43
J. H. Edwards, horseshoeing	64 00
P. J. Kinneen, horseshoeing	1 75
George McDormand, horseshoeing	145 38
Edward O'Brien, horseshoeing	194 39
I. L. Roberts, horseshoeing	34 00
I. B. Walker, horseshoeing	262 83
William Buckley, horseshoeing	3 66
George W. Ladd, horseshoeing	57 35
John B. Rufer, clipping horse	2 00
Allan Coughlan, wagon repairs	7 80
Hale & Mayhew Co., wagon repairs	551 80
John H. Atkinson, wagon repairs	13 00
J. A. Kiley, wagon repairs	3 50
L. A. Wright, wagon repairs	15 60
Charles R. Simpson, veterinary services	108 75
Welch & Hall, horses	580 90
Melrose Club Stable, horse	187 50
H. K. Lyman, bay horse	290 00
Boston Horse Mart, horses	485 00
H. E. Bowman, horse medicine	10 63
Whitney & Snow, hardware	59 55
J. A. Durell, hardware	86 11
R. T. Brown & Co., hardware	2 00
C. L. Underhill, repairing tools	55 80
Charles H. Cutter, repairing motor	3 00
Thomas Groom & Co., stationery	20 50
Somerville Post-office, postage	11 00
rent of box	5 00
Amount carried forward	\$47,541 33

Amount brought forward	\$47,541 33	
The Sanitarian, subscription	4 00	
Library Bureau, card index	3 50	
Somerville Journal Co., printing	161 50	
W. L. Clough & Son, printing	8 25	
Wesley A. Maynard, advertising	14 75	
C. Brewer Smith, advertising	31 35	
Cambridge Ice Co., ice	19 42	
John Fisher & Co., offal tubs	10 80	
T. E. Littlefield, posts	2 55	
Somerville Iron Foundry, pattern and casting	1 97	
Arthur C. Gordon, signs	12 00	
Howard Lowell & Son, carriage hire	85 00	
New England Telephone & Telegraph Co., service	106 98	
T. Allen, teaming	202 50	
Jerry Buttmer, teaming	141 50	
W. J. McCarthy, teaming	179 75	
American Express Co., expressing	8 70	
E. R. Perham, expressing	15	
	<hr/>	
	\$48,536 00	
Highways Maintenance account, repairing driveway	154 98	
	<hr/>	
		\$48,690 98

Highway Betterment Assessments.

CREDIT.

Cash, received of sundry persons	\$6,086 90
Balance to debit of account, 1905	2,305 44
	<hr/>
	\$8,392 34

DEBIT.

Balance from 1903	\$5,019 57	
Highways Construction, assessments levied as follows:—		
Bowdoin street	\$68 33	
Charles street	66 80	
Packard avenue	1,560 50	
Line street	335 26	
Eastman terrace	214 48	
Glendale avenue	505 50	
Holyoke road	552 15	
Hillside park	69 75	
	<hr/>	
	3,372 77	
	<hr/>	
		\$8,392 34

Highways, Construction.

CREDIT.

Balance from 1903	\$234 48
Appropriations, from Funded Debt, 1904	10,000 00
Sewers Construction account, amount transferred	5,000 00
	<hr/>
Amount carried forward	\$15,234 48

Amount brought forward	\$15,234 48
Stock and labor billed other departments:—	
Highways Maintenance account, stone	9,123 57
Receipts:—	
Cash, received of Commonwealth of Massachusetts, damages	150 00
Charged to Highway Betterment Assessments, assessments levied	3,372 77
	<hr/>
	\$27,880 82
Balance of account unused, carried to 1905	2,518 84
	<hr/>
	\$25,361 98

DEBIT.

(Expenditures.)

Cash, paid laborers	\$10,670 25
Thomas Groom & Co., books	10 25
A. J. Whittemore, photographs	12 00
Middlesex Registry of Deeds, recording documents	28 70
Somerville Journal Co., advertising	67 92
Wesley A. Maynard, advertising	79 00
T. E. Littlefield, lumber	6 16
George H. Sampson Co., powder	2 75
Laflin, Rand Powder Co., powder	11 50
Frank Hervey, dynamite	70 26
George F. McKenna, teaming	40 50
A. M. Prescott, teaming	40 50
George W. Prichard, teaming	18 00
J. H. Fannon, teaming	45 00
Jerry Buttmer, teaming	36 00
John F. Elkins, teaming	40 50
Oliver Ames, et al., settlement of claim	150 00
Chetham Parks, settlement of suit	45 40
Florence O. Shepard, et al., settlement of suit	153 29
Wellington-Wild Coal Co., fuel	262 97
William J. McCarthy, stone	429 80
	<hr/>
	\$12,220 75
Highways Maintenance account, city teams, etc.	13,141 23
	<hr/>
	\$25,361 98

Highways, Maintenance.

CREDIT.

Appropriations, from Taxes, 1904	\$5,375 00
Excess and Deficiency account, balance transferred	6,405 77
	<hr/>
	\$11,780 77
Commonwealth of Massachusetts:—	
Street Railway Tax	\$43,655 40
Boston Elevated Railway Tax	7,965 91
	<hr/>
	51,621 31
Amount carried forward	<hr/>
	\$63,402 08

Amount brought forward \$63,402 08

Receipts:—

Cash, received of Edward Glines, teaming coal to relief stations	\$63 20
T. Allen, ballast, etc.	11 03
L. W. Bowen, stone	3 15
Town of Arlington, stone	3 75
J. H. Fannon, horse, etc.	41 50
George F. McKenna, horse	55 00
Howard Wade, crushed stone	3 50
Simpson Brothers Corporation, crushed stone	49 00
Alexander Duncan, crushed stone	13 20
William J. McCarthy, stone	503 91
Cambridge Gas Light Co., crushed stone, Trustees Tufts College, crushed stone	1 50
Frank L. Morse, driveway	26 93
Derby Desk Co., crushed stone	4 50
A. W. Hall, harness	2 09
A. M. Prescott, horse	8 00
City of Cambridge, use of roller	50 00
Isaac Sexton, labor	20 00
Edison Electric Illuminating Co., labor	7 50
M. W. Carr, ashes	35 80
E. McDonald, driveway	18 70
John E. Kauler, ashes	11 88
Joseph Gridley, discontinuing driveway	2 50
John Cooper, labor	9 19
S. W. Armstrong, labor	10 00
E. Floyd DeWitt, labor	4 25
J. Warren Bailey, labor	4 50
J. W. Howard, discontinuing driveway	15 70
Michael Gavin, driveway	4 50
Jesse S. Newcomb, crushed stone	21 50
Thomas F. Reardon, driveway	1 48
New England Telephone & Telegraph Co., labor	15 75
Mrs. E. P. Carr, crushed stone	31 57
Julia A. Record, driveway	2 75
Walter L. Holmes, driveway	25 74
Michael Driscoll, widening driveway	5 00
Eugene Carr, driveway	4 75
Hattie C. Wheat, driveway	5 00
Thomas W. Sutherland, labor	11 94
F. A. Weeks, labor	4 50
Biller Brothers, labor	10 00
Frank A. Teele, driveway	5 00
	20 47

1,150 23

Stock and labor billed other departments:—

Highways Construction account, city teams	\$13,141 23
Highways, Removing Brown-tail Moths account, labor	3,087 60
Sidewalks Construction account, city teams	2,169 95
Highways, Watering Streets account, labor	8 40
Sidewalks Maintenance account, city teams	988 02

Amounts carried forward \$19,395 20 \$64,552 31

Amounts brought forward	\$19,395 20	\$64,552 31
Highways, Paved Gutters and Crossings account, city teams	2,112 86	
Public Grounds account, labor	154 73	
Highways, Shade Trees account, city teams	68 60	
Highways, Tree Guards account, city teams	18 20	
Health Department account, repairs	154 98	
Sewers Construction account, labor	118 13	
Sewers Maintenance account, labor	30 00	
Highways, Paving Broadway, Bow and Summer Streets account, labor	185 45	
		<hr/> 22,238 15

\$86,790 46

DEBIT.

(Expenditures.)

Cash, paid laborers	\$52,281 65
John P. Prichard, salary as superintend- ent of streets	241 38
Asa B. Prichard, salary as superintend- ent of streets	1,253 75
disbursements	4 99
Eugene Mead, board of superintendent's horse	262 50
Jeremiah Buttimer, stone	142 41
E. H. Bennett, stone	5 01
James Barr, stone	57 00
C. W. Dolloff, stone	15 56
J. F. Dwyer, stone	198 60
Dave Evans, stone	99 99
George W. Holden, stone	51 12
Michael Kelley, stone	70 86
A. H. Kennedy, stone	16 26
William Lonergan, stone	11 31
S. & R. J. Lombard, edgestones	961 43
William H. Lenox, stone	306 18
P. J. Lennon, stone	59 49
William J. McCarthy, stone	2,204 02
Herbert Nicoll, stone	133 65
H. A. Saunders, stone	9 30
Fred Shumacher, stone	66 42
Waltham Trap Rock Co., stone	204 43
Richard Falvey, teaming stone	67 50
George W. Prichard, teaming stone	83 25
D. W. Smith, teaming stone	31 50
F. C. Ayer, lumber	325 54
A. M. Wood Co., lumber	269 01
John M. Woods & Co., lumber	94 39
George W. Gale Lumber Co., lumber	9 75
S. W. Fuller, lumber	168 25
T. E. Littlefield, lumber	2 88
Davenport-Brown Co., sawing signs	1 25
Carlisle Ayer Co., sash	75
Lord & Webster, hay and grain	1,340 01
Nathan Tufts & Sons, hay and grain	3,605 70
Gilmore, Smith & Co., hay and grain	1,970 46
Morgan & Bond, harness work	938 19
Amount carried forward	<hr/> \$67,565 74

Amount brought forward	\$67,565 74
D. J. Bennett, harness work	9 50
Henry S. Harris' Sons, harnesses, etc. . . .	94 90
W. H. Hitchings, veterinary services	180 00
Cooper Brothers, horses	725 00
Welch & Hall, horses	500 00
J. E. Richardson, horse	125 00
George McDormand, horseshoeing	15 03
Edward O'Brien, horseshoeing	136 88
George W. Ladd, horseshoeing	65
Henderson Brothers, pung	35 00
A. Taylor, wagon	26 00
Perrin, Seamans & Co., street cleaner, etc. . . .	76 00
Charles E. Berry, springs	7 25
Brinley, Smith & Co., springs, etc. . . .	64 58
Buffalo Steam Roller Co., repairing road machines	242 20
L. F. Bryant, repairing road machines	4 00
Barbour-Stockwell Co., repairing road machines	25 30
Chandler & Farquhar Co., repairing road machines	16 00
Walter W. Field, repairing road machines,	112 79
Taylor Iron & Steel Co., repairing road machines	226 30
Hale & Mayhew Co., repairing wagons	87 51
I. B. Walker, repairing wagons	9 33
D. McDonald, repairing wagons	24 95
Joseph Palmer, repairing wagons	13 97
L. A. Wright, repairing wagons	58 05
Good Roads Machinery Co., repairing wagons	24 80
William J. McCarthy, repairing wagons	10 00
Boston Broom Co., brooms and repairing	107 00
T. A. Cunningham, brushes	95
New England Broom Co., brooms and repairing	42 50
Dennison-Estabrook Co., brooms	12 00
Ames Plow Co., plows	72 18
Murphy Varnish Co., paint	57 30
I. H. Wiley & Co., paint	71 45
Cling Surface Mfg. Co., Cling Surface	3 50
E. S. Sparrow & Co., hardware	203 63
Underhill Hardware Co., hardware	144 80
Whitney & Snow, hardware	244 30
W. E. Plumer & Co., hardware	56 10
Dodge, Haley & Co., tools, etc. . . .	764 42
Colonial Supply Co., tools	110 24
William J. Wiley, tools	5 65
Butler Mill Supply Agency, bolts and rivets	2 72
Boston Bolt Co., bolts	7 50
Osgood & Witherly, wheel yoke, etc. . . .	12 00
Boston Belting Co., belting	25 00
H. C. Boardman, rivets, etc. . . .	1 50
American Road Roller Co., chain and wheel	13 85
Edson Mfg. Co., new gear and chains	28 13
Armstrong Brothers, soil pipe	12 25

Amount carried forward \$72,415 70

Amount brought forward	\$72,415 70
Winchester Tar Disinfectant Co., disinfectant	7 25
Frank Hervey, Forcite, etc.	126 41
Lafin, Rand Powder Co., powder and fuse	25 18
Thomas Hollis Co., drugs	20 40
R. P. Hoagland Drug Co., lead and bronze	16 50
Carr Chemical Co., sponges	2 10
D. A. McKay, salt, etc.	3 29
J. P. Squire & Co., salt	4 12
Anti-Friction Grease Co., axle grease	10 00
T. A. Sallaway, oil, lead, etc.	22 51
Charles A. Claffin & Co., oil and lacing	46 72
P. Sutherland & Co., oil	29 90
Valvoline Oil Co., oil	52 15
Bowker Insecticide Co., oil	1 00
Braman, Dow & Co., waste	36 16
Converse W. Shedd, telephone disinfectant	50
Union Glass Co., lantern globes	20 10
Thomas Groom & Co., books	31 50
A. C. Libby & Son, stationery	22 13
H. H. I. Smith, stationery	2 79
H. L. McPherson, stationery	4 95
Middlesex Registry of Deeds, recording	6 30
Somerville Post-office, postage	11 00
A. J. Whittemore, photographs	8 00
B. F. Freeman, photographs	7 00
George O. W. Servis, photographs	9 75
G. W. Whittemore, photographs	2 70
New England Telephone & Telegraph Co., service	76 73
Somerville Journal Co., printing and stationery	65 00
T. O'Keefe, sand	26 25
Jeremiah Buttmer, sand	137 25
T. Allen, gravel	245 72
J. H. Fannon, gravel	169 74
Waldo Brothers, fire clay	29 40
Highland Coal Co., lime	24 80
W. B. Mullen, gravel	831 35
H. J. Green, gravel	61 00
W. F. Bennett, gravel	558 25
M. A. Simpson, sand	111 00
M. W. Carr & Co., sand	155 00
W. G. Nash, cement	2 00
National Seed Supply Co., rose bushes	3 00
J. W. Howard, plants, etc.	37 55
George F. Hurn & Co., rakes	3 15
Ashton Valve Co., valves	28 72
Roberts Iron Works Co., plates	12 62
Jameson Brothers, carriage hire	24 00
Howard Lowell & Son, carriage hire	12 00
George E. Ricker, refreshments	11 00
Jairus Mann, disbursements	2 00
Oliver White & Co., netting	29 20
O. B. Colley, lawn mower	3 50
Warren Brothers Co., sprinklers and tar,	14 00
Amount carried forward	\$75,620 34

Amount brought forward	\$75,620 34	
H. M. Hillson & Co., pails	3 50	
Boston Woven Hose & Rubber Co., hose,	47 14	
R. W. Doe, barrels	31 45	
Chase, Parker & Co., couplings	1 70	
H. Wood, repairing tools	11 30	
J. H. Carleton, repairing stove	2 00	
Priest, Page & Co., repairing scale	1 20	
David Skinner, repairing clock	1 00	
Wellington-Wild Coal Co., fuel	1,214 20	
Hartford Steam Boiler Inspection and		
Insurance Co., insurance	50 00	
Portland Stone Ware Co., vase, etc.	7 36	
Ham & Carter Co., bricks	2 25	
J. F. Elkins, teaming	58 50	
David O'Keefe, horseshoeing	75	
G. W. Lerner Co., disinfectant	4 50	
Time Mfg. Co., rubber coating	5 25	
L. Eidelman, cotton cloth	1 50	
E. F. Hicks, refreshments	18 00	
E. R. Perham, expressing	1 95	
American Express Co., expressing	1 60	
Glines & Co., expressing	50	
D. & W. Somerville Express Co., ex-		
pressing	45	
	<hr/>	
	\$77,086 44	
Highways Construction account, stone	9,123 57	
Highways, Paved Gutters and Crossings		
account, stone	331 25	
Highways, Paving Broadway, Bow and		
Summer Streets account, round stone	5 00	
Sidewalks Construction account, labor	4 25	
Sidewalks Maintenance account, bricks	32 80	
Water Maintenance account, pipe and		
labor	207 15	
	<hr/>	
		\$86,790 46

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriations, from Funded Debt, 1904	\$14,000 00
Balance to debit of account, 1905	2,062 41
	<hr/>
	\$16,062 41

Stock and labor billed other departments:—

Highways Maintenance account, stone and		
paving blocks	\$331 25	
Highways, Paving Broadway, Bow and		
Summer Streets account, blocks	102 80	
Sidewalks Construction account, bricks	17 67	
	<hr/>	
		451 72
		<hr/>
		\$16,514 13

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,836 93
Thomas Groom & Co., ledger	5 00
	<hr/>
Amount carried forward	\$7,841 93

Amount brought forward	\$7,841 93	
J. H. Fannon, teaming stone	9 00	
T. H. Gill & Co., paving blocks	310 00	
George M. Brush, paving blocks	3,137 58	
C. W. Dolloff, paving blocks	1,851 64	
S. & R. J. Lombard, edgestones	700 32	
F. C. Ayer, lumber	51 90	
T. Allen, concreting crossings	45 75	
	<hr/>	
	\$13,948 12	
Highways Maintenance account, use of teams, etc.	2,112 86	
Highways, Paving Broadway, Bow and Summer Streets account, paving blocks,	453 15	
	<hr/>	
		<u>\$16,514 13</u>

Highways, Paving Broadway, Bow and Summer Streets.

CREDIT.

Appropriations, from Funded Debt, 1904	\$21,500 00	
Balance to credit of account, 1905	8,136 02	
	<hr/>	
		\$13,363 98
Receipts:—		
Cash, received of Warren Brothers Co., labor and use of city teams		8 80
Stock and labor billed other departments:—		
Highways Maintenance account, round stone	\$5 00	
Highways, Paved Gutters and Crossings ac- count, paving blocks	453 15	
	<hr/>	
		458 15
		<u>\$13,830 93</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$1,473 18	
Ham & Carter, bricks	12 50	
Warren Brothers Co., on account of contract	11,245 18	
S. & R. J. Lombard, paving blocks	328 62	
C. W. Dolloff, paving blocks	35 30	
	<hr/>	
	\$13,094 78	
Highways Maintenance account, city teams,	185 45	
Highways, Paved Gutters and Crossings ac- count, paving blocks	102 80	
Sewers Construction account, catch basins .	10 00	
Sewers Maintenance account, changing grades, etc.	125 47	
Sidewalks Maintenance account, labor	180 50	
Water Maintenance account, labor and materials	131 93	
	<hr/>	
		<u>\$13,830 93</u>

Highways, Removing Brown-tail Moths.

CREDIT.

Appropriations, from Taxes, 1904	\$3,000 00
Excess and Deficiency account, balance transferred	401 42

 \$3,401 42

Receipts:—

Cash, received of sundry persons, removing moths from trees	534 74
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Stock and labor billed other departments:—

Public Grounds account	7 00
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 \$3,943 16

DEBIT.

(Expenditures.)

Cash, paid laborers	\$476 78
Charles I. Bucknam, services	300 00
Bowker Insecticide Co., mixture	8 25
Fellows & Co., poles	6 00
S. H. Davis & Co., knives	2 00
W. E. Plumer & Co., hardware	11 53
Underhill Hardware Co., hardware	26 00
H. Wood, springs	3 00
Somerville Post-office, postage	22 00

 \$855 56

Highways Maintenance account, use of city teams, etc.	3,087 60
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 \$3,943 16
Highways, Shade Trees.

CREDIT.

Appropriations, from Taxes, 1904	\$500 00
Highways, Tree Guards account, amount transferred	250 00
Excess and Deficiency account, balance transferred	41 35

 \$791 35

DEBIT.

(Expenditures.)

Cash, paid laborers	\$395 50
William H. Flaherty, shade trees	157 00
Lesseur & Co., trees	150 00
Belmont Hill Nurseries, trees	18 00
J. H. Fannon, hired team	2 25

 \$722 75

Highways Maintenance account, use of city teams	68 60
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 \$791 35

Highways, Thorndike Street Subway.

CREDIT.

Balance from 1903	\$1,791 07
Balance to debit of account, 1903	565 53
	<hr/>
	\$2,356 60

DEBIT.

(Expenditures.)

Cash, paid Boston & Maine Railroad, on account of constructing subway	<hr/>
	\$2,356 60

Highways, Tree Guards.

CREDIT.

Appropriations, from Taxes, 1904	\$1,000 00
Highways, Shade Trees account, amount transferred	250 00
	<hr/>
	\$750 00
Excess and Deficiency account, balance transferred	36 80
	<hr/>
	\$713 20

DEBIT.

Cash, paid laborers	\$359 50
Morse & White, netting	127 50
J. A. Durell, wire fencing, etc.	109 75
Sewall & Day Cordage Co., sisal lath yarn	1 86
F. C. Ayer, lumber	96 39
	<hr/>
	\$695 00
Highways Maintenance account, tree guards	18 20
	<hr/>
	\$713 20

Highways, Watering Streets.

CREDIT.

Taxes, assessments levied	\$20,914 68
Excess and Deficiency account, balance transferred	40 71
	<hr/>
	\$20,955 39

Receipts:—

Cash, received of abutters	\$54 00
Sundry persons, insuring	64 00
	<hr/>
	118 00
	<hr/>
	\$21,073 39

DEBIT.

(Expenditures.)

Cash, paid laborers	\$1,628 82
Charles I. Bucknam, overseeing	53 86
	<hr/>
Amount carried forward	\$1,682 68

Amount brought forward	\$1,682 68
E. S. Sparrow & Co., hardware	4 04
Underhill Hardware Co., hardware	4 47
John M. Woods & Co., lumber	48 16
John M. Woods & Co., repairing carts	110 61
Hale & Mayhew Co., repairing carts	96 82
Joseph Palmer, repairing carts	81 21
I. B. Walker, repairing carts	82 21
L. A. Wright, repairing carts	16 20
Dodge, Haley & Co., repairing carts	83 69
J. L. & H. K. Potter, water carts	1,397 89
A. M. Wood Co., tires	31 90
Edward O'Brien, horseshoeing	25 00
Charles S. Robertson, insurance	63 00
William F. Bennett, watering	446 94
Jeremiah Buttmer, watering	458 66
Cornelius R. Bowlby, watering	599 75
Edward F. Caldwell, watering	534 50
Jackson Caldwell, watering	531 00
Timothy F. Crimmings, watering	446 94
Ernest A. Dodge, watering	513 32
John F. Elkins, watering	529 07
James H. Fannon, watering	516 82
Charles T. Garland, watering	571 75
William A. Hall, watering	603 25
William H. Libbey, watering	525 82
Howard Lowell & Son, watering	548 50
John A. Marsh, watering	564 25
Ellen McAvoy, watering	544 82
George F. McKenna, watering	603 25
Henry McAvoy, watering	378 82
Mark W. Patten, watering	525 45
J. A. Potter & Co., watering	469 16
George W. Prichard, watering	570 00
Albion M. Prescott, watering	617 25
Albert P. Rockwood, watering	555 50
J. B. Rufer & Co., watering	553 75
Mary J. Shean, watering	553 75
David M. Smith, watering	532 75
Ralph M. Sturtevant, watering	545 00
Suburban Coal Co., watering	543 25
Frank A. Teele, watering	554 84
James H. Thompson, watering	517 00
Delia Wilson, watering	522 13
Thomas Walsh, watering	504 63
Edwin E. Whitehouse, watering	527 50
Aunita N. Fales, clerical services	75 99
Effie M. Fife, clerical services	16 00
S. Ward Co., books and 'stationery	28 25
Somerville Journal Co., printing	5 50
Charles F. Mills, carpentering	39 00
	<hr/>
	\$20,902 04
Highways Maintenance Account, use of city teams	8 40
Water Works Extension account, water posts	162 95
	<hr/>
	<u>\$21,073 39</u>

Inspection of Buildings.

CREDIT.

Appropriations, from Taxes, 1904	\$4,100 00
Excess and Deficiency account, balance transferred	42 75

\$4,057 25

Receipts:—

Cash, received of Walter T. Littlefield, plumbers' licenses	\$50 50
damage to furniture	50
	<hr/>
	51 00
	<hr/>
	\$4,108 25

DEBIT.

(Expenditures.)

Cash, paid Walter T. Littlefield, salary as commissioner of public buildings	\$1,899 96
George H. Galpin, assistant to commis- sioner of public buildings	799 92
Duncan C. Greene, inspector of plumb- ing	1,200 00
Thomas Groom & Co., books and sta- tionery	5 25
A. C. Libbey & Sons, stationery	3 08
S. Ward & Co., stationery	25 36
Smith-Premier Typewriter Co., supplies, W. A. Greenough & Co., directory	1 50
Somerville Journal Co., printing	3 50
New England Telephone & Telegraph Co., service	78 60
William S. Howe, solder	73 98
William J. Hanson, solder, etc.	1 00
Wadsworth, Howland & Co., supplies	5 35
B. L. Makepeace, photographs	2 05
George O. W. Servis, photographs	1 20
	7 50
	<hr/>
	\$4,108 25

Interest.

CREDIT.

Appropriations, from Taxes, 1904	\$53,500 00
Water Works Income, amount transferred	7,705 00

\$61,205 00

Excess and Deficiency account, balance transferred	1,791 64
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\$59,413 36

Receipts:—

Cash, received of sundry persons	12,381 19
	<hr/>
	\$71,794 55

DEBIT.

(Expenditures.)

Coupons maturing April 1, 1904,	\$2,000 00
Coupons maturing July 1, 1904,	24,652 50
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Amount carried forward	\$26,652 50

Amount brought forward	\$26,652 50	
Coupons maturing Oct. 1, 1904,	2,000 00	
Coupons maturing Jan. 1, 1905,	25,115 00	
		\$53,767 50
Cash, paid interest on temporary loans:—		
On Note No. 545, \$85,000, nine months, at 4.6 per cent.	\$2,932 50	
On Note No. 554, \$15,000, seven months, at 4½ per cent.	393 75	
On Note No. 569, \$50,000, nine months, at 4.38 per cent. (discount)	1,642 50	
On Notes Nos. 573, 574, and 575, \$25,000 each, ten months, one day (discount), at 4.05 per cent.	2,539 67	
On Note No. 576, \$25,000, ten months, one day (discount), at 4.05 per cent.	846 56	
On Note No. 562, \$100,000, six months, at 4.9 per cent.	2,450 00	
On Note No. 563, \$10,000, six months, at 4.5 per cent.	225 00	
On Note No. 564, \$15,000, six months, at 4.75 per cent.	358 23	
On Note No. 570, \$20,000, six months, at 4 per cent.	400 00	
On Note No. 571, \$10,000, six months, at 4 per cent.	200 00	
On Note No. 568, \$50,000, nine months, at 4.25 per cent.	1,599 68	
On Notes Nos. 579, 580, 581, and 582, \$25,000 each, four months, twenty-four days, at 3.03 per cent.	1,220 41	
On Note No. 572, \$50,000, nine months, at 4.25 per cent.	1,593 75	
On Notes Nos. 577 and 578, \$50,000 each, six months, at 3.25 per cent.	1,625 00	
		18,027 05
		<u>\$71,794 55</u>

Metered Water Charges.

CREDIT.

Water Works, Abatements on Water Charges account, abatements	\$4 20
Receipts:—	
Cash, received of sundry water takers	15,534 24
	<u>\$15,538 44</u>

DEBIT.

Balance from 1903	<u>\$15,538 44</u>
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Military Aid.

CREDIT.

Appropriations, from Taxes, 1904	\$1,000 00
Excess and Deficiency account, balance transferred	76 81

\$1,076 81

Receipts:—

Commonwealth of Massachusetts	1,076 87
	<u>\$2,153 68</u>

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay-rolls	\$2,000 70
Worcester Insane Hospital, board	42 71
Mass. State Sanatorium, board	110 27
	<u>\$2,153 68</u>

Overlay and Abatement.

CREDIT.

Taxes, amount of overlay from assessors' warrant	\$20,298 46
Amount of assessors' supplementary warrants	1,250 48
Excess and Deficiency account, balance transferred	623 32
	<u>\$22,172 26</u>

DEBIT.

Balance from 1903	\$1,934 13
Taxes, amount of abatements, (cash)	\$20,255 54
	70 55
	<u>20,184 99</u>
Cash, paid sundry persons, taxes refunded	53 14
	<u>\$22,172 26</u>

Overplus on Tax Sales.

CREDIT.

Balance from 1903	\$118 13
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DEBIT.

Balance to credit of account, 1905	<u>\$118 13</u>
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Police.

CREDIT.

Appropriations, from Taxes, 1904	\$33,000 00
Excess and Deficiency account, balance transferred	12,573 79

\$45,573 79

Receipts:—

Com. of Mass., corporation tax, 1903	\$1,230 78
Com. of Mass., national bank tax, 1903	82 08
Com. of Mass., corporation tax, 1904	21,704 06
Com. of Mass., national bank tax, 1904	4,666 85
	<u>\$27,683 77</u>
Amounts carried forward	<u>\$45,573 79</u>

Amounts brought forward	\$27,683 77	\$45,573 79
Cash, received of John R. Fairbairn, Master of House of Correction, fines	656 00	
Herbert A. Chapin, Clerk of the Courts, fines	3,531 00	
Sundry persons, cloth for uniforms	459 14	
James F. Beard, witness fees	2 30	
American Tube Works, police service during strike	1,001 25	
	<hr/>	33,333 46
		<hr/>
		\$78,907 25

DEBIT.

(Expenditures.)

Cash, paid Melville C. Parkhurst, chief	\$1,900 00
lock-up keeper	100 00
Robert R. Perry, captain	1,500 00
Lieutenants:—	
Dennis Kelley	1,350 00
Eugene A. Carter	1,350 00
Charles E. Woodman	1,350 00
Sergeants:—	
Edward McGarr	1,200 00
George H. Carleton	1,200 00
Arthur E. Keating	819 69
Eugene H. Gammon	1,107 60
James M. Harmon	1,153 80
Thomas Damery, inspector	1,150 00
Patrolmen:—	
Phineas W. Skinner	1,113 00
Albion L. Staples	1,101 00
John E. Fuller	1,113 00
Edward M. Carter	1,140 00
George L. Smith	1,134 00
Francis A. Perkins	1,134 00
William H. Johnston	1,119 00
Jacob W. Skinner	1,134 00
Theodore E. Heron	1,077 00
David A. Bolton	1,134 00
Michael T. Kennedy	1,128 00
Ira S. Carleton	1,137 00
Charles W. Stevens	1,137 00
Ezra A. Dodge	1,131 00
James J. Pollard	1,134 00
Daniel G. Simons	1,137 00
Samuel Burns	1,128 00
Frederick H. Googins	1,086 00
Jotham Chisholm	1,134 00
William J. Davidson	1,137 00
Elmer E. Drew	1,014 00
John A. Dadmun	1,134 00
Eugene A. Woodsum	1,110 00
George L. Rice	1,137 00
Myron S. Gott	1,137 00
John A. Ray	1,137 00
Herbert Hilton	1,137 00
Charles W. Reick	1,080 00
Charles E. Byrnes	1,137 00
Amount carried forward	<hr/>
	\$46,692 09

Amount brought forward	\$46,692 09
Frank C. Hopkins	1,137 00
Charles W. Allen	1,140 00
Hudson M. Howe	1,070 75
Frederick J. Balcom	1,070 75
Ernest S. Goff	1,070 75
Sanford S. Lewis	1,062 75
Frank H. Graves	1,048 75
Henry A. Sudbey	1,005 50
Harry L. Allen	1,005 50
Harvey R. Fuller	1,005 50
William J. Sutherland	1,005 50
Thomas F. McNamara	978 50
Louis F. Arnold	942 50
Charles S. Johnston	932 50
George E. Reece	812 50
Reserve patrolmen:—	
James M. Lynch	932 50
Martin Sharry	937 50
Henry Y. Gilson	940 00
Robert T. Blair	922 50
Ernest Howard	937 50
Theodore S. Hall	380 00
George A. C. Peters	912 50
Lemuel J. Simons	850 00
Edmund J. Keane	630 00
Claude L. Crossman	625 00
Drivers:—	
Judson W. Oliver	927 50
Edward E. Ware	846 00
Frederick G. Jones	834 75
Martin E. Driscoll	123 75
Retired list (half pay):—	
Christopher C. Cavanagh	346 48
George W. Bean	556 50
John Hafford	556 50
Special patrolmen:—	
John H. Cuddy	340 00
David J. Hanna	237 50
George M. Winters	382 50
Frank O. Downer	70 00
James E. Phillips	316 25
John H. Kelley	30 00
Edwin M. Miller	10 00
William H. McCollom	47 50
Sundry persons, special services at polls,	160 00
Gertrude A. Bauer, matron	190 00
Thomas Damery, disbursements	150 13
Eugene A. Carter, disbursements	132 83
F. W. Hopkins, disbursements	68 70
Dennis Kelley, disbursements	28 75
Lemuel Snow, disbursements	15 20
George H. Carleton, disbursements	9 12
Phineas W. Skinner, disbursements	1 10
Jotham Chisholm, disbursements	4 50
George E. Reece, disbursements	2 45
John W. Deehan, disbursements	4 00
Patrick J. Garvin, committing prisoners,	1 24
J. A. Marsh, hay and grain	272 16
I. L. Roberts, horseshoeing	87 75
Amount carried forward	\$76,801 50

Amount brought forward . . .	\$76,801 50
Allan Coughlan, repairing pung . . .	2 00
D. J. Bennett, harness work . . .	9 80
E. F. Carl, harness work . . .	8 50
A. M. Prescott, harness . . .	45 00
Idella A. Taylor, washing . . .	55 17
American Towel Supply Co., towels . . .	50 00
J. H. Brooks, pillow slips, etc. . .	9 95
West Disinfectant Co., telephone attachment . . .	3 00
Fresh Pond Ice Co., ice . . .	35 00
Fenelon's Pharmacy, alcohol . . .	1 00
Christena Miller, repairing flag . . .	2 00
C. F. McCaffrey, M. D., professional services . . .	3 00
F. W. Ramsey, M. D., professional services . . .	5 00
I. H. Brown Moulding Co., stretcher poles . . .	2 00
Mrs. William McEachern, meals for prisoners . . .	51 50
Whitney & Snow, hardware . . .	38 03
W. E. Plumer & Co., hardware . . .	3 75
Charles Waugh & Co., repairs . . .	218 24
Charles E. Berry, galvanizing . . .	31 00
Hobbs & Warren Co., stationery . . .	68 65
M. L. Vinal, stationery . . .	4 35
Henry Barrett, photographs . . .	45 00
Somerville Journal Co., printing . . .	42 50
J. H. Padgett, printing . . .	5 75
Century Inkstand Co., inkstands . . .	9 45
C. M. Blake, daily papers . . .	18 25
Little, Brown & Co., law books . \$16 00	
	2 25
	<hr/>
	13 75
The Frank Shepherd Co., law books . . .	1 00
W. A. Greenough & Co., directories . . .	10 50
Seaver-Radford Co., directory . . .	5 00
Underwood Typewriter Co., ribbon . . .	2 00
Lovett, Hart & Phipps Co., cloth for uniforms . . .	474 89
R. Masstrangialo, supplies . . .	89 29
Iver Johnson Co., police equipments . . .	89 76
Scoville Mfg. Co., buttons . . .	20 25
H. A. Winship, leggins, etc. . .	32 75
The George W. McPherson Store, gloves, Allen Brothers, badges . . .	10 50
	9 15
New England Telephone & Telegraph Co., service . . \$168 20	
	3 33
	<hr/>
	164 87
Pettingell-Andrews Co., speaking tube . . .	2 00
H. Wood, keys . . .	4 75
F. W. Farrar, repairing . . .	1 75
Martin & Hughes, repairing revolvers . . .	50
John C. Miller, reporting Johnston hearing . . .	318 85
M. G. Staples, teaming . . .	1 00
Howard Lowell & Son, carriage hire . . .	4 00
Eugene Mead, carriage hire . . .	2 00
	<hr/>
Amount carried forward . . .	\$78,827 95

Amount brought forward	\$78,827 95	
L. H. Brown, saddle horses, etc.	50 00	
A. P. Rockwood, carriage hire, etc.	25 00	
American Express Co., expressing	2 15	
D. & W. Somerville Express Co., ex- pressing	1 00	
Glines & Co., expressing	15	
A. G. Renner, expressing	1 00	
	<hr/>	\$78,907 25

**Printing and Stationery (Public Documents and
Stationery for the Board of Aldermen).**

CREDIT.

Appropriations, from Taxes, 1904	\$2,500 00
Excess and Deficiency account, balance transferred	858 34
	<hr/>
	\$1,641 66

DEBIT.

(Expenditures.)

Cash, paid Somerville Journal Co., printing annual reports, etc.	\$1,538 26
Thomas Groom & Co., stationery	19 10
Suffolk Engraving & Electrotyping Co., half-tones	16 80
George H. Walker & Co., maps	67 50
	<hr/>
	\$1,641 66

Property and Debt Balance.

CREDIT.

Balance from 1903	\$2,209,579 21
Public Property, property acquired in 1904	111,020 93
Funded Debt, bonds paid	139,500 00
	<hr/>
	\$2,460,100 14

DEBIT.

Funded Debt, issue of 1904	\$132,500 00
Balance to credit of account, 1905	2,327,600 14
	<hr/>
	\$2,460,100 14

**Public Buildings Construction, Addition to
Bingham School.**

CREDIT.

Balance from 1903	\$17,219 56
Balance to debit of account, 1905	596 93
	<hr/>
	\$17,816 49

DEBIT.

(Expenditures.)

Cash, paid John E. Locatelli, on account of contract	\$10,554 00
C. W. Cahalan, on account of contract for plumbing	1,478 60
	<hr/>
Amount carried forward	\$12,032 60

Amount brought forward	\$12,032 60	
A. A. Sanborn, on account of contract for heating and ventilating	4,335 00	
Chandler Adjustable Chair & Desk Works, desks	720 00	
Kenney Brothers & Wolkins, desks	376 50	
Allen, Totman Co., furniture	121 72	
Frederick R. Cutter, clocks	41 70	
C. H. McKenney & Co., gas fixtures	78 55	
L. T. Allen, shades	68 80	
H. G. White, electric work	41 62	
		<u>\$17,816 49</u>

Public Buildings Construction, Dormitory at City Home.

CREDIT.

Appropriations, from Funded Debt, 1904	\$6,000 00
Balance to credit of account, 1905	210 22
	<u>\$5,789 78</u>

DEBIT.

(Expenditures.)

Cash, paid B. L. Makepeace, blue prints	\$3 00
William B. McKay, on account of contract	4,765 00
James H. Fannon, excavating	82 40
C. W. Cahalan, plumbing	541 19
Charles A. Rounds, electrical work	80 00
Simpson Brothers Corporation, laying floor	176 00
W. E. Plumer & Co., hardware	7 19
E. S. Sparrow & Co., hardware	135 00
	<u>\$5,789 78</u>

Public Buildings Construction, Engine House in Ward Two.

CREDIT.

Balance from 1903	\$22,260 31
Appropriations, from Funded Debt, 1904	4,000 00
	<u>\$26,260 31</u>

Receipts:—

Cash, received of John Elston, old fire building	\$255 00
Timothy Shea, old wooden building	50 00
Martin & Hughes, old stove	2 00
Charles E. Berry, old stove	2 00
	<u>309 00</u>
	<u>\$26,569 31</u>
Balance to debit of account, 1905	1,717 37
	<u>\$28,286 68</u>

DEBIT.

(Expenditures.)

Cash, paid F. C. Alexander, on account of contract	\$24,388 00	
A. A. Sanborn, on account of contract	900 00	
Charles A. Kelley, laying drain	25 00	
James F. Davlin, connecting drain	43 83	
Michael F. Norton & Co., plumbing	819 53	
B. L. Makepeace, blue prints	18 13	
Wadsworth, Howland & Co., tracing cloth	5 67	
Davenport-Brown Co., lumber	19 37	
C. F. Mills, carpentering	101 25	
W. A. Snow & Co., interior fittings	247 55	
Clifford & Rogers, furniture	248 50	
Jackson Caldwell & Co., furniture	181 80	
Jordan, Marsh & Co., bedding	72 50	
George M. Stevens Co., clock	350 00	
William Hanlon, cutting stone	15 00	
Thomas J. Martin, stone cutting	3 00	
William J. McCarthy, teaming	144 00	
W. E. Plumer & Co., hardware	195 80	
Whitney & Snow, hardware	162 75	
Simpson Brothers Corporation, laying floor	55 00	
H. G. White, electrical equipments	290 00	
		<u>\$28,286 68</u>

**Public Buildings Construction, Historical Building
and Observatory on Prospect Hill.**

CREDIT.

Receipts:—

Stock and labor billed other departments:—

Public Grounds, Completion of Prospect Hill Park account (cash)	\$253 50
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DEBIT.

(Expenditures.)

Cash, paid the T. F. McGann & Sons Co., tablets	\$150 00	
H. L. Henderson, guards	102 00	
Belding Brothers, leading doors	1 50	
		<u>\$253 50</u>

**Public Buildings Construction, Luther V.
Bell School Fire Escapes.**

CREDIT.

Sewers Construction account, amount transferred	\$1,500 00
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DEBIT.

Balance to credit of account, 1905	<u>\$1,500 00</u>
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**Public Buildings Construction, Primary School
Building to Relieve the Schools in Ward Six.
(George O. Proctor School.)**

CREDIT.

Appropriations, from Funded Debt, 1904	\$30,000 00
Balance to credit of account, 1905	24,414 80
	<hr/>
	\$5,585 20

DEBIT.

(Expenditures.)

Cash, paid John E. Locatelli, on account of contract	\$4,573 00
Aaron H. Gould, services as architect	850 00
C. W. Cahalan, plumbing	82 70
William J. McCarthy, sewer connection	79 50
	<hr/>
	\$5,585 20

**Public Buildings Construction, Rifle Range
in Waltham.**

CREDIT.

Contingent Fund account, amount transferred	\$500 00
Balance to debit of account, 1905	193 21
	<hr/>
	\$693 21

DEBIT.

Cash, paid T. E. Littlefield, lumber	\$196 04
Charles F. Mills, carpentering	166 50
James Kenney, carpentering	50 40
T. Allen, pitch	3 50
J. W. McDuffee, concrete	185 00
E. S. Sparrow & Co., hardware	43 37
John B. Rufer, supplies	10 40
H. G. White, bells	35 00
George F. McKenna, teaming	3 00
	<hr/>
	\$693 21

Public Buildings Maintenance, Armory.

CREDIT.

Receipts:—

Cash, received of Commonwealth of Massachusetts, rent of armory	\$800 00
Excess and Deficiency account, balance transferred	\$800 00
	<hr/>

Public Buildings Maintenance, City Hall.

CREDIT.

Appropriations, from Taxes, 1904	\$4,200 00
Excess and Deficiency account, balance transferred	596 05
	<hr/>
	\$3,603 95

DEBIT.

Cash, paid Irwin G. Felt, janitor . . .	\$610 12
George H. Griffin, night janitor . . .	840 00
T. C. Dame, substitute janitor . . .	244 00
Wesley B. Higgins, substitute janitor . . .	36 00
George W. Coombs, substitute janitor . . .	10 00
Doten-Dunton Desk Co., furniture . . .	36 00
Jackson Caldwell & Co., linoleum . . .	75 77
William F. Eccles, repairing furniture . . .	21 50
James F. Davlin, plumbing . . .	42 10
F. O. Johnson, gas fitting . . .	31 76
C. L. Underhill, iron work . . .	1 10
D. T. Campbell, boiler work . . .	1 25
John H. Kelley, boiler work . . .	1 25
W. W. Calkin, carpentering . . .	19 62
Charles Gale, carpentering . . .	46 55
George T. Parker, carpentering . . .	32 20
I. H. Brown Moulding Co., boxes . . .	27 60
Davenport-Brown Co., lumber . . .	10 21
Whitney & Snow, hardware . . .	28 64
Underhill Hardware Co., hardware . . .	20 92
W. E. Plumer & Co., hardware . . .	4 90
E. S. Sparrow & Co., hardware . . .	5 13
Herbert Wood, keys . . .	1 40
James Bartley, supplies . . .	16 15
Jim Hodder & Brothers, supplies . . .	6 59
Frederick R. Cutter, clock . . .	14 00
D. W. Skinner, repairing clock . . .	1 00
F. W. Farrar, repairing clock . . .	1 00
M. A. Mann, laundering . . .	45 00
Buildings Cleaning & Renovating Co., cleaning . . .	417 65
F. A. Harmon, bronzing radiators . . .	21 05
A. C. Gordon, lettering . . .	50
Caleb P. Bucknam, decorating . . .	20 00
W. J. Fermoye, shellacing . . .	25 65
Simpson Brothers Corporation, steps . . .	171 72
G. W. Manning, work on halyards . . .	3 50
Thomas McNee, repairing gutters . . .	32 05
Cambridge Ice Co., ice . . .	62 60
Wellington-Wild Coal Co., fuel . . .	361 69
Cambridge Gas Light Co., gas . . .	4 20
Edison Electric Illuminating Co., light- ing . . .	212 64
fan motors . . .	12 00
Electric Gas Lighting Co., supplies . . .	21 94
George McKenna, teaming . . .	5 00
	<hr/>
	\$3,603 95

Public Buildings Maintenance, City Hall Annex.

CREDIT.

Appropriations, from Taxes, 1904 . . .	\$800 00
Excess and Deficiency account, balance transferred . . .	68 04
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	\$868 04
Receipts:—	
Cash, received of Willard C. Kinsley Post, No. 139, G. A. R., rent . . .	7 00
	<hr/>
	\$875 04

DEBIT.

Cash, paid James H. Chase, janitor . . .	\$420 00
Jackson Caldwell & Co., rugs . . .	24 00
Derby Desk Co., repairing chair . . .	4 00
Thomas McNee, roofing . . .	16 25
George T. Parker, carpentering . . .	12 60
James F. Davlin, plumbing . . .	9 13
F. O. Johnson, plumbing . . .	6 19
Caleb P. Bucknam, decorating . . .	5 00
A. C. Gordon, painting . . .	92 63
F. W. Farrar, repairing clock . . .	1 50
Isaac Coffin & Co., steam fitting . . .	1 74
Charles Gale, carpentering . . .	5 60
Underhill Hardware Co., hardware . . .	11 01
D. T. Campbell, boiler work . . .	2 50
John H. Kelley, boiler work . . .	6 25
Wellington-Wild Coal Co., coal . . .	246 44
Edison Electric Illuminating Co., light- ing	10 20
	<hr/>

\$875 04**Public Buildings Maintenance, Fire Department.**

CREDIT.

Appropriations, from Taxes, 1904	\$4,900 00
Excess and Deficiency account, balance transferred	1,525 56
	<hr/>
	\$6,425 56

Receipts:—

Cash, received of J. A. Durell, old furnace	2 85
	<hr/>
	\$6,428 41

DEBIT.

(Expenditures.)

Cash, paid F. C. Ayer, lumber	\$280 24
T. E. Littlefield, lumber	14 72
Davenport-Brown Co., lumber	3 13
Harris P. Tibbetts, carpentering	131 26
Charles F. Mills, carpentering	262 76
J. M. Andrews & Son, carpentering	134 02
A. B. Joy, carpentering	80 11
D. P. Bucknam, plastering	174 10
Highland Coal Co., lime	4 60
J. H. Fannon, loam	96 25
Patrick Burke, grading	128 45
Armstrong Brothers, plumbing	118 20
C. W. Cahalan, plumbing	10 52
Kellsey & Stack, plumbing	22 58
W. J. Kennedy, plumbing	3 75
William S. Howe, plumbing	13 39
J. F. Davlin, plumbing	251 37
Thomas H. Naughton, plumbing	11 95
William P. Young, plumbing	4 00
John B. Rufer, iron work	48 94
I. B. Walker, iron work	7 45
Broad Gage Iron Works, ball	2 00
	<hr/>

Amount carried forward \$1,803 79

Amount brought forward	\$1,803 79	
W. L. Snow & Co., furnace work	4 86	
William J. Wiley, furnace work	24 48	
J. W. Johnson, boiler work	159 53	
Innes & Demarest Heater Co., heater	424 30	
C. H. M. Hunnewell, smoke pipe	6 25	
F. O. Johnson, steam fitting	17 38	
Dennis M. Burckes, mason work	158 89	
E. Horne, masonry	18 55	
J. A. Durell, supplies	24 25	
E. S. Sparrow & Co., hardware	122 99	
Whitney & Snow, hardware	9 60	
W. E. Plumer & Co., hardware	19 58	
Underhill Hardware Co., hardware	3 78	
Martin & Hughes, keys	75	
Mr. Erwin, painting	11 20	
William E. Elwin, painting	61 95	
LeBarron Emery, gilding	11 25	
D. B. Nixon, painting	28 00	
George T. Parker, painting	4 20	
A. Fisher, painting	30 45	
C. W. Hughes, painting	1 50	
George R. Knight, painting	100 00	
W. F. Flemming, furniture	17 25	
Jackson Caldwell & Co., furniture	46 75	
C. F. Hovey & Co., towels, etc.	114 88	
George F. Hughes, setting glass	1 40	
J. H. Pattee, setting glass	3 25	
George W. Manning, painting roof	19 35	
Thomas McNee, roofing	260 00	
C. J. Miers, roofing	276 00	
F. E. Seavey, roofing	29 41	
Allen, Totman & Co., slating	7 50	
George McKenna, teaming	10 50	
Wellington-Wild Coal Co., fuel	1,961 54	
Somerville Electric Light Co., lighting	107 62	
Edison Electric Illuminating Co., light- ing	335 43	
Cambridge Gas Light Co., gas	131 90	
Charlestown Gas & Electric Co., gas	58 10	
		<u>\$6,428 41</u>

Public Buildings Maintenance, Health Department.

CREDIT.

Appropriations, from Taxes, 1904	\$375 00
Excess and Deficiency account, balance transferred	34 81
	<u>\$409 81</u>
Receipts:—	
Cash, received of Mrs. Michael Hallice, old shed	5 00
	<u>\$414 81</u>

DEBIT.

(Expenditures.)

Cash, paid C. F. Mills, carpentering	\$61 50
James Kenney, carpentering	58 80
	<u>\$120 30</u>
Amount carried forward	\$120 30

Amount brought forward . . .	\$120 30	
C. W. Cahalan, plumbing . . .	13 80	
T. E. Littlefield, lumber . . .	107 10	
E. S. Sparrow & Co., hardware . . .	23 06	
F. O. Johnson, gas fitting . . .	9 85	
W. A. Snow & Co., troughs . . .	21 00	
Wellington-Wild Coal Co., fuel . . .	70 25	
Edison Electric Illuminating Co., light- ing . . .	46 95	
Gilman Express Co., expressing . . .	2 50	
		<u>\$414 81</u>

Public Buildings Maintenance, Highways.

CREDIT.

Appropriations, from Taxes, 1904 . . .	\$250 00
Excess and Deficiency account, balance transferred . . .	25 20
	<u>\$275 20</u>

Receipts:—

Cash, received of Arthur Murley, rent . . .	\$120 00
Thomas Ormand, rent . . .	120 00
	<u>240 00</u>
	<u>\$515 20</u>

DEBIT.

(Expenditures.)

Cash, paid Charlestown Stove Co., smoke pipe . . .	\$5 80
J. B. Rufer, bolts . . .	10 00
C. W. Cahalan, plumbing . . .	16 71
J. A. Durell, steam fitting . . .	38 99
Charles E. Shaw, papering . . .	38 71
T. E. Littlefield, lumber . . .	43 04
Underhill Hardware Co., hardware . . .	7 56
E. S. Sparrow & Co., hardware . . .	27 67
C. F. Mills, carpentering . . .	110 25
Thomas A. Galbraith, painting . . .	121 50
D. B. Nixon, painting . . .	10 31
Asahel Wheeler Co., oil and turpentine . . .	16 15
Wellington-Wild Coal Co., fuel . . .	21 61
Edison Electric Illuminating Co., light- ing . . .	30 75
Electric Gas Lighting Co., supplies . . .	16 15
	<u>\$515 20</u>

Public Buildings Maintenance, Police.

CREDIT.

Appropriations, from Taxes, 1904 . . .	\$3,200 00
Excess and Deficiency account, balance transferred . . .	563 11
	<u>\$3,763 11</u>

Receipts:—

Cash, received of J. O. Hayden, county treasurer, rent of court room . . .	450 00
	<u>\$4,213 11</u>

DEBIT.

(Expenditures.)

Cash, paid Frank Miller, janitor	\$849 96	
Charles Gale, night janitor	360 50	
James F. Davlin, plumbing	83 41	
William S. Howe, plumbing	34 54	
A. A. Sanborn, steam fitting	26 00	
Isaac Coffin & Co., steam fitting	2 53	
A. F. McMillan, supplies	6 35	
W. E. Plumer & Co., hardware	13 65	
Whitney & Snow, hardware	3 25	
John Kennedy, plastering	82 06	
G. D. B. Robinson, carpentering	281 79	
G. A. Walker, painting	757 41	
G. M. Fortin, painting and glass	6 35	
Arthur C. Gordon, lettering	4 20	
Caleb P. Bucknam & Co., decorating	10 00	
Patrick Bowdren, care of grounds	6 25	
John Silk, loam	4 00	
D. P. Bucknam, work on fire box	146 83	
D. T. Campbell, boiler work	2 50	
J. H. Kelley, boiler work	2 50	
Roberts Iron Works Co., boiler work	94 63	
E. O. Arnold & Co., cleaning carpets	9 73	
Doten-Dunton Desk Co., furniture	63 00	
Jackson Caldwell & Co., furniture	165 14	
Heywood Brothers & Wolkins Co., re- pairing furniture	37 50	
L. M. Ham & Co., repairing cell lock	3 70	
C. A. Slager, castors	6 00	
C. W. Lerner & Co., disinfectant	50 00	
West Disinfecting Co., disinfectant	10 50	
Vacuum Oil Co., oil	8 48	
Pettingell-Andrews Co., electrical sup- plies	18 66	
Wellington-Wild Coal Co., fuel	562 28	
Cambridge Gas Light Co., gas	411 30	
Gas Consumers' Association, gas regu- lation	26 00	
Edison Electric Illuminating Co., light- ing	56 11	
fan motor	6 00	
		<u>\$4,213 11</u>

Public Buildings Maintenance, Public Grounds.

CREDIT.

Appropriations, from Taxes, 1904	\$50 00
Excess and Deficiency account, balance transferred	142 22
	<u>\$192 22</u>

DEBIT.

(Expenditures.)

Cash, paid Hemeon Brothers, fence	\$149 24	
F. C. Ayer, lumber	12 82	
George T. Parker, carpentering	9 80	
Wellington-Wild Coal Co., fuel	19 40	
W. E. Plumer & Co., hardware	96	
		<u>\$192 22</u>

Public Buildings Maintenance, Public Library.

CREDIT.

Appropriations, from Taxes, 1904	\$4,500 00
Excess and Deficiency account, balance transferred	1,978 11
	<hr/>
	\$2,521 89

DEBIT.

(Expenditures.)

Cash, paid Charles A. Southwick, janitor	\$999 96
John McGrath, substitute janitor	37 10
Charles Southwick, extra labor	26 00
W. W. Calkin, case of drawers	142 90
John H. Kelley, repairing door check	3 25
D. T. Campbell, boiler work	1 25
H. Wood, lock work	75
C. L. Underhill, repairing wheelbarrow,	1 25
Underhill Hardware Co., hardware	4 45
A. J. Wilkinson & Co., hardware	2 25
Standard Oil Co., floor dressing	2 30
Caleb P. Bucknam, decorating	5 00
Isaac Coffin & Co., steam fitting	40
D. P. Bucknam, repairing fire box	8 50
George T. Parker, carpentering	2 80
Charles Gale, carpentering	70
James F. Davlin, plumbing	12 43
Electric Gas Lighting Co., supplies	88
Pettingell-Andrews Co., electrical sup- plies	1 50
Wellington-Wild Coal Co., fuel	612 82
Cambridge Gas Light Co., gas	41 60
Edison Electric Illuminating Co., light- ing	613 80
	<hr/>
	\$2,521 89

Public Buildings Maintenance, Schoolhouses.

CREDIT.

Appropriations, from Taxes, 1904	\$51,643 57
Excess and Deficiency account, balance transferred	9,369 75
	<hr/>
	\$61,013 32

Receipts:—

Cash, received of Henry B. Sellon, lighting,	\$25 40
George F. McKenna, old building	22 22
Walter T. Littlefield, telephone tolls	42 51
Michael H. Savage, glass broken by sundry boys	28 25
H. E. Hayes, breaking glass	75
Albert F. McMillan, old iron	5 00
Frederick S. Hosmer, glass broken	75
	<hr/>
	124 88
	<hr/>
	\$61,138 20

DEBIT.

(Expenditures.)

Cash, paid janitors' salaries	\$22,126 87
John H. Adcock, plumbing	38 78
Armstrong Brothers, plumbing	112 70
C. W. Cahalan, plumbing	83 00
James F. Davlin, plumbing	33 89
F. S. Hutchinson, plumbing	72 10
F. O. Johnson, plumbing	433 86
Thomas H. Naughton, plumbing	196 66
James O'Neil, plumbing	73 52
William S. Howe, plumbing	300 57
J. A. Durell, plumbing	482 00
E. J. Cunningham & Co., plumbing	67 20
Charles H. M. Hunnewell, plumbing	7 97
Isaac Coffin & Co., steam fitting	98 31
A. A. Sanborn, steam fitting	643 41
Alex. Duncan & Co., steam fitting	134 26
The Lumsden & Van Stone Co., steam fitting	118 44
John H. Kelley, repairing boiler	128 70
D. T. Campbell, repairing boiler	52 50
Edwin Adler, repairing boiler	6 00
Hartford Steam Boiler Inspection & In- surance Co., insurance	300 00
S. W. Stack & Son, gas fitting	3 00
C. L. Underhill, iron work	3 35
J. B. Rufer, iron work	20
I. B. Walker, iron work	8 15
Builders' Iron & Steel Co., iron work	60 00
Roberts Iron Works Co., iron work	364 19
Kellsey & Stack, furnace work	197 04
Charles E. Berry, furnace work	5 87
Charles H. M. Hunnewell, furnace work,	140 30
A. F. McMillan, furnace work	156 54
R. W. Doe, furnace work	98 85
Foster Furnace Co., furnace	200 00
Continental Grate Co., grate	56 00
D. P. Bucknam, mason work	532 77
E. Horne, mason work	8 94
William J. McCarthy, mason work	353 73
W. McDuffee, stock and labor	8 25
Thomas Dowd, plastering	191 60
John Kennedy, plastering	21 86
B. E. Higgins, plastering	149 40
Jeremiah Sullivan, whitewashing	125 12
Charles A. Kelley, labor on drain	6 00
George W. Manning, work on flagstaff	121 35
Powers Regulator Co., repairing regu- lating system	9 20
Johnson Service Co., repairing heat regu- lating apparatus	47 46
F. C. Ayer, lumber	77 27
I. H. Brown Moulding Co., lumber	86 61
T. E. Littlefield, lumber	20 53
J. M. Andrews & Son, lumber	113 56
Davenport-Brown Co., lumber	150 42
W. W. Calkin, carpentering	478 76
James Kenney, carpentering	285 60
Amount carried forward	\$29,592 66

Amount brought forward	\$29,592 66
George T. Parker, carpentering . . .	487 00
G. D. B. Robinson, carpentering . . .	13 80
H. P. Tibbetts, carpentering	79 68
S. A. McDonald, carpentering	51 80
Arthur W. Berry, carpentering	57 54
William B. McKay, carpentering . . .	95 25
Sylvester Woods, carpentering	86 65
J. Stackpole, carpentering	91 42
C. G. McLean, carpentering	19 87
L. A. Penney, roofing and stock . . .	151 77
Charles E. Robinson, repairing fence .	2 00
W. L. Waugh, carpentering	253 85
Charles F. Mills, labor	4 50
Thomas McNee, repairing roof	298 35
C. J. Miers, repairing roof	7 76
F. E. Seavey, repairing roof	23 78
John McGrath, labor on shutters . . .	8 00
A. B. Joy, floor	23 25
W. E. Plumer & Co., hardware	190 90
E. S. Sparrow & Co., hardware	205 22
Underhill Hardware Co., hardware . .	436 16
Whitney & Snow, hardware	280 73
William J. Wiley, hardware	5 91
Chandler & Farquhar, hardware . . .	5 07
T. A. Sallaway, hardware	7 73
George R. Knight, painting	5 73
D. B. Nixon, painting	1 88
W. J. Fermoyale, painting	295 20
Henry J. McAleer, painting	26 95
George L. Robinson, painting	1 40
John P. Wahlstrom, painting	141 00
J. A. Bremner & Co., painting	430 00
J. A. Stevens, painting	403 93
Cutler-Marshall Co., painting	147 00
A. C. Gordon, painting	244 13
Emery & Blaisdell, setting glass . . .	2 00
G. A. Walker, setting glass	201 13
John T. Sellon, setting glass	14 76
J. F. Berton, setting glass	20 50
Knox & Co., setting glass	187 25
R. C. Burckes, glass	6 40
Carlisle, Ayer Co., sash	11 50
Murphy Varnish Co., wood finish . . .	72 00
W. J. Godfrey, tinting	38 00
F. A. Harmon, bronzing	22 50
Wadsworth, Howland & Co., bronze, etc.,	12 09
John F. O'Brien, cleaning	21 60
Joseph H. Young, cleaning	10 00
Buildings Cleaning & Renovating Co., cleaning	275 70
Weir & Gracey, carpet cleaning . . .	40 32
E. O. Arnold & Co., carpet cleaning . .	4 37
H. W. Waite & Co., oiling floors . . .	85 00
Murphy, Leavens & Co., brooms and brushes	67 22
Charles A. Austin Brush Co., brooms and brushes	61 74
W. G. Hallock, brushes	13 50
George W. Norton, washing powder . .	19 80

Amount carried forward \$35,365 25

Amount brought forward	\$35,365 25
Robert Hull, gasoline	7 73
Yerxa's Grocery, rock salt	70
P. Sutherland & Co., oil	33 80
Borne, Scrymser Co., machine oil	11 75
H. W. Burgess, oil and salt	7 25
C. E. Delano, oil	2 15
American Metal Polish Co., polish	9 72
Alvah C. Stone, enamel	9 50
H. James & Son, soft soap	10 50
Sultar Mfg. Co., soap	94 50
West Disinfecting Co., telephone attach- ments	2 00
B. O. & G. C. Wilson, disinfectant	7 50
Winchester's Tar Disinfectant, disin- fectant	5 00
George William Waite Co., disinfectant	14 00
Waldo Brothers, lime	4 60
Allen, Totman & Co., furniture	297 33
Jackson Caldwell & Co., furniture	727 67
Chandler Adjustable Chair & Desk Works, furniture	914 60
Kenney Brothers & Wolkins, furniture	329 65
Derby Desk Co., furniture	122 00
Doten-Dunton Desk Co., furniture	99 50
Clifford & Rogers, furniture	148 20
F. W. Flemming, repairing furniture	10 00
William F. Eccles, repairing furniture	34 91
A. McArthur & Co., rugs	92 90
Library Bureau, oak case	33 00
H. E. Carlisle, mats	34 42
Andrews & Andrews, asbestos covering	128 41
L. E. Clayton, cheese cloth	20
D. L. Wood, furniture moving	4 75
W. H. Wood, furniture moving	5 00
H. Wood, keys	26 45
Charles H. Cutter, keys	3 25
Martin & Hughes, repairing locks	1 30
F. R. Cutter, repairing clocks	45 75
F. W. Farrar, repairing clocks	56 25
D. W. Skinner, repairing clocks	55 10
Blodgett Clock Co., repairing clocks	66 30
G. Taylor, repairing clocks	15 00
A. J. Wilkinson & Co., tools	2 80
L. Ryan, sawdust	12 25
E. S. Kearney, sawdust	24 25
Fibre Specialty Co., waste cans	26 97
Simpson Brothers Corporation, steps	369 70
T. Allen, concreting	13 80
James H. Fannon, concreting	428 15
H. L. Henderson, folding gates	150 00
T. F. McGann & Sons Co., tablets	335 00
Caleb P. Bucknam & Co., decorating	10 00
William H. Brine Co., flags	98 50
Amelia H. Wood, repairing flag	75
A. T. Pierce, removing trees	9 00
P. Bowdren, care of grounds	258 25
Bartholomew Burke, sodding	233 89
George F. McKenna & Son, teaming and dressing	218 25
Amount carried forward	\$41,029 45

Amount brought forward	\$41,029 45	
John Silk, manure	78 25	
William F. Bennett, manure	4 00	
George W. Ladd, slicing bar	5 25	
G. G. Stillman, release nut	1 00	
Howard Lowell & Son, board of horse	284 85	
George McDormand, horseshoeing	12 75	
L. A. Wright, repairing carriage	6 25	
William A. Weld Co., air compressor	50 00	
Chapman Valve Mfg. Co., valves	3 20	
James H. Roberts & Co., parts of machinery	7 30	
Henry K. Barnes, belting	3 54	
B. F. Sturtevant Co., work on engine	10 90	
Walsh Brothers, repairing fire box	256 79	
George F. Blake Mfg. Co., repairing pump	11 50	
George A. Weld Co., repairing pump	15 85	
Electric Gas Lighting Co., supplies	60 43	
Gas Consumers' Association, gas regulation	42 00	
General Electric Co., motor	423 00	
Somerville Electric Light Co., fans	28 00	
H. G. White, electric work	164 47	
Wellington-Wild Coal Co., fuel	15,580 06	
Cambridge Gas Light Co., gas	850 20	
Charlestown Gas & Electric Co., gas	651 60	
Edison Electric Illuminating Co., lighting	371 60	
lamps	11 50	
motor	116 39	
New England Telephone & Telegraph Co., service	236 58	
Charles Gale, carpentering, etc.	346 16	
Calvin Horton, labor	18 00	
W. J. McLean, drafting tables	260 00	
J. C. Rauch, refreshments	10 00	
M. P. Canfield, teaming, etc.	34 12	
Truman H. Thorpe, repairing	9 75	
Gilman Express Co., expressing	60	
Glines & Co., expressing	11 37	
	<hr/>	
	\$61,006 71	
Sidewalk Assessments account, sidewalk assessment	86 89	
Water Service Assessment account, water service	44 60	
	<hr/>	
		\$61,138 20

Public Buildings Maintenance, Sewer Department.

CREDIT.

Appropriations, from Taxes, 1904	\$50 00
Excess and Deficiency account, balance transferred	38 12
	<hr/>
	\$88 12

DEBIT.

(Expenditures.)

Cash, paid William S. Howe, grate	\$1 50
Hemeon Brothers, repairing roof	80 02
Wellington-Wild Coal Co., coal	6 60
	<hr/>
	\$88 12

Public Buildings Maintenance, Support of Poor.

CREDIT.

Appropriations, from Taxes, 1904	\$600 00
Excess and Deficiency account, balance transferred . . .	69 81
	<hr/>
	\$669 81
Receipts:—	
Cash, received of W. B. Mackay, rent	420 00
	<hr/>
	\$1,089 81

DEBIT.

(Expenditures.)

Cash, paid J. F. Berton, painting	\$23 15
Thomas Dowd, plastering	42 00
Carlisle, Ayer Co., windows	22 44
Jackson Caldwell & Co., rug	1 50
Charles S. Robertson, insurance	22 50
Cyrus Carpenter & Co., furnace	150 00
W. B. McKay, furnace work	36 79
Charles H. M. Hunnewell, furnace work,	34 24
William J. Wiley, plumbing	10 35
Kellsey & Stack, plumbing	7 45
F. O. Johnson, plumbing	8 44
Stack & Torrey, plumbing	4 25
J. C. H. Snow, carpentering	151 94
James Kenney, carpentering	2 80
E. S. Sparrow & Co., hardware	60
W. A. Snow & Co., pig trough	48 00
Cambridge Gas Light Co., gas	30 10
Edison Electric Illuminating Co., light- ing	69 99
Wellington-Wild Coal Co., coal	338 65
	<hr/>
	\$1,005 19
Water Maintenance account, repairing pipes,	84 62
	<hr/>
	\$1,089 81

Public Buildings Maintenance, Water Department.

CREDIT.

Appropriations, from Taxes, 1904	\$325 00
Excess and Deficiency account, balance transferred . . .	99 44
	<hr/>
	\$225 56

DEBIT.

(Expenditures.)

Cash, paid W. L. Snow & Co., supplies	\$11 50
Wellington-Wild Coal Co., fuel	177 01
Edison Electric Illuminating Co., light- ing	37 05
	<hr/>
	\$225 56

Public Grounds.

CREDIT.

Appropriations, from Taxes, 1904	\$11,000 00
City Engineer account, amount transferred	421 87

\$11,421 87

Receipts:—

Cash, received of Somerville High School Athletic Association, contribution toward the expense of constructing additional seats and other improvements on Broadway Athletic Field in Ward Seven	\$1,000 00
Boston Elevated Railway Co., maintenance of Broadway Parkway	50 00
Anna E. Valentine, part cost of fence	10 00

1,060 00

Stock and labor billed other departments:—

Public Grounds, Prospect Hill Park Completion	198 30
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\$12,680 17

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,621 35
F. C. Ayer, lumber	842 21
Z. E. Cliff, labor, etc.	260 66
I. H. Brown Moulding Co., net holder	9 50
Belding Brothers, carpentering	86 25
James Bartley, salt	4 15
Murphy Varnish Co., oil	4 50
E. S. Kearney, sawdust	2 00
J. A. Durell, hardware	26 19
Whitney & Snow, hardware	111 97
Underhill Hardware Co., hardware	86 61
W. E. Plumer & Co., hardware	5 74
E. S. Sparrow & Co., hardware	105 24
Thomas J. Grey & Co., knives	2 20
Perrin, Seamans & Co., hammer	80
J. W. Howard, plants and labor	1,506 03
Lesseur & Co., poplars	37 00
Pierce & Thacher, removing trees	10 00
New England Dressed Meat & Wool Co., ashes	5 00
Suburban Coal Co., coal	31 10
William J. McCarthy, stone dust	21 42
Highland Coal Co., lime	5 30
James Tevlin, use of teams	355 88
George F. McKenna, teaming manure	40 50
George W. Prichard, use of horse	92 50
J. & W. Coakley, teaming	6 00
T. F. Crimmings, use of teams	144 50
A. C. Gordon, paint and labor	122 75
W. W. Calkin, labor and materials	18 08
Hemeon Brothers, labor and materials	36 60

Amount carried forward \$11,602 03

Amount brought forward	\$11,602 03
George R. Dugad & Co., labor on der- rick	39 70
Frank E. Kincaid, labor	52 00
D. J. Bennett, repairing apparatus	1 50
Spalding Mfg. Co., rope ladder	15 00
F. W. Kimball, settee slats	4 50
M. D. Jones & Co., settee	6 50
C. L. Kimball, slats	8 33
James Doran, repairs	1 25
George O. W. Servis, photographs	4 50
Pneumatic Hand Stamp Co., stencils and paste	13 88
I. B. Walker, window bars	20 83
C. L. Underhill, welding	29 15
John B. Rufer, ring	75
Mrs. Deaveron, setting glass	2 00
L. A. Wright, repairing tools	32 75
Charles E. Berry, repairing tools	80 02
H. Wood, repairing tools	1 20
Martin & Hughes, sharpening mowers	4 40
David H. Hyde, rubber boots	8 70
Mrs. A. H. Wood, repairing flags	17 00
T. F. McGann & Sons Co., repairing fence	4 00
G. W. Manning, repairing flagstaff	43 15
J. A. Kiley, making sign	5 20
T. Allen, concreting	12 00
Wright & Ditson, brasses	11 00
H. G. White, electric work	8 00
Electric Gas Lighting Co., electrical sup- plies	42 48
Edison Electric Illuminating Co., light- ing	68 24
supplies	42
Howard Lowell & Son, carriage hire	20 00
J. H. Fannon, use of teams	42 80
Richard Falvey, use of teams	43 50
Jairus Mann, disbursements	2 50
J. C. Rauch, refreshments	15 50
Heirs Nathan Tufts, use of land, Knowl- ton street	92 88
American Express Co., expressing	50
Gilman Express Co., expressing	15
	<hr/>
	\$12,358 31
Highway Betterment Assessments account, assessment	4 90
Highways Maintenance account, rolling grounds, teams and stone	154 73
Highways, Removing Brown-tail Moths ac- count, removing moths	7 00
Sewers Construction account, pipe	8 88
Sewers Maintenance account, cement	4 52
Sidewalk Assessments account, assess- ment	99 66
Water Maintenance account, repairing water pipes	42 17
	<hr/>
	<u>\$12,680 17</u>

Public Grounds, Prospect Hill Park (Completion.)

CREDIT.

Appropriations, from Funded Debt, 1904	\$2,000 00
Balance to credit of account, 1905	369 30
	<hr/>
	\$1,630 70

DEBIT.

(Expenditures.)

Cash, paid T. F. McGann & Sons Co., memorial tablet	\$350 00
Enoch Robinson, iron work, etc.	60 00
T. F. Crimmings, laying coping stone and wall	196 00
Laborers	6 00
James Tevlin, use of team	1 50
S. & R. J. Lombard, edgestones	125 40
Herbert L. Henderson, fence	440 00
	<hr/>
	\$1,178 90
Public Buildings Construction, Historical Building and Observatory on Prospect Hill account, leading doors, guards, and tablets	253 50
Public Grounds account, trees, shrubs, hooks, and labor painting	198 30
	<hr/>
	<u>\$1,630 70</u>

Public Library.

CREDIT.

Appropriations, from Taxes, 1904	\$15,000 00
Excess and Deficiency account, balance transferred	23 33
	<hr/>
	\$14,976 67

Receipts:—

Cash, received of county treasurer, return on amount received of the city for dog licenses in 1903	\$4,193 50
Sam Walter Foss, librarian, fines	739 52
books	121 12
gift	25 00
	<hr/>
	5,079 14
	<hr/>
	\$20,055 81

DEBIT.

(Expenditures.)

Cash, paid Sam Walter Foss, salary as li- brarian	\$2,500 00
disbursements	89 00
Adele Smith, assistant librarian	750 02
Esther M. Mayhew, cataloguer	600 00
Edith Hayes, assistant cataloguer	500 00
Anna L. Stone, assistant	500 00
	<hr/>
Amount carried forward	\$4,939 02

Amount brought forward	\$4,939 02
Mary J. Warren, assistant	208 35
Mabel E. Bunker, assistant	580 00
Mary S. Woodman, assistant	500 00
Florence D. Hurter, assistant	500 00
Bessie L. Duddy, assistant	500 00
Nellie M. Whipple, assistant	466 66
Alice W. Sears, assistant	383 30
Florence M. Barber, assistant	266 67
Gardner W. Stacy, assistant	280 82
Charles A. Perry, assistant	231 30
F. Stuart Dean, assistant	139 13
Trueman Cushing, assistant	217 62
Saxton C. Foss, assistant	54 15
Charlotte R. Lowell, assistant	56 23
American School of Osteopathy, books .	2 00
American Industrial Publishing Co., books	2 27
A. L. A. Publishing Board, books . . .	1 60
American Tract Society, books	7 75
Anderson Auction Co., books	6 80
Henry Altemus Co., books	4 50
American Library Co., books	49 35
John R. Anderson Co., books	24 25
American Paper Publishing Society, books	9 32
American Unitarian Association, books .	1 90
American Book Co., books	2 96
American Sunday School Union, books .	50
A. C. Armstrong & Son, books	1 00
American Academy Political and Social Science, books	5 00
American Monthly Review of Reviews, books	11 00
D. Appleton & Co., books	99
W. A. Butterfield, books	1 12
Henry Carey Baird & Co., books . . .	2 83
Baba Premanand Bharati, books	2 00
Boston Book Co., books	22 00
Burnham Antique Book Store, books . .	92 43
Burrows Brothers Co., books	11 45
Baker & Taylor Co., books	6 76
Balch Brothers Co., books	5 70
George Barrie & Son, books	48 00
W. R. Bradford, books	28 00
N. J. Bartlett & Co., books	222 39
Harry Benson, books	7 09
G. Waldo Browne, books	7 25
Frederick W. Bailey, books	1 07
F. W. Bird, books	2 00
Century Co., books	3 62
Arthur H. Clark Co., books	26 30
A. B. Cross, books	1 50
Cupples & Schoenhof, books	10 88
Neander N. Cronholm, books	3 40
W. B. Clarke Co., books	9 45
Club of Odd Volumes, books	12 00
Colesworthy's Book Store, books . . .	12 15
Com. Pub. of Hist. of Greenfield, books,	6 00
Mary M. Currier, books	1 00
Amount carried forward	\$10,000 83

Amount brought forward	\$10,000 83
The Caxton Press, books	3 13
Collector of Customs, books	5 00
James Green Campbell, books	15 00
Charles W. Clark Co., books	6 50
Thomas Y. Crowell & Co., books	1 45
Dodd, Mead & Co., books	19 10
Doubleday, Page & Co., books	44 60
William T. Dairs, books	2 00
Desmond Publishing Co., books	73 20
R. H. Derrah, books	2 00
E. P. Dutton & Co., books	1 49
DeWolfe, Fiske & Co., books	10 18
Essex Publishing Co., books	7 50
Equity Series, books	3 00
Educational Publishing Co., books	2 96
George H. Ellis & Co., books	3 00
Funk & Wagnalls Co., books	14 40
T. T. Fryer, books	95 85
Fraternity Publishing Co., books	3 25
Federal Book Co., books	7 00
A. Flanagan Co., books	1 08
Fowler & Wells Co., books	3 00
Friderice & Gareis, books	2 39
P. K. Foley, books	154 00
W. A. Greenough & Co., books	11 00
Goodspeed's Book Shop, books	3 60
M. B. Gage, books	2 50
Ginn & Co., books	3 00
R. B. Graham, books	1 50
Free Library, Philadelphia, books	1 25
Harper & Brothers, books	20 29
A. L. Haskell, books	2 40
Hist. Com. of Concord, books	8 00
Henry Holt & Co., books	2 84
Houghton, Mifflin & Co., books	4 01
D. C. Heath & Co., books	2 80
Hudson-Kimberly Publishing Co., books,	2 00
E. B. Hall & Co., books	13 50
Int. Com. Y. M. C. A., books	60
H. S. Inman, books	35 00
Orange Judd Co., books	1 05
C. A. Koehler & Co., books	7 50
George F. Lasher, books	2 50
Little, Brown & Co., books	3,623 65
G. E. Littlefield, books	194 70
Charles E. Lauriat Co., books	84 60
Lea Brothers & Co., books	3 00
Lee & Shepard, books	33 52
Longmans, Green & Co., books	27 13
J. B. Lippincott Co., books	16 61
Lothrop, Lee & Shepard Co., books	52 65
C. F. Libbie & Co., books	8 00
Moody Publishing Co., books	5 00
Joseph McDonough, books	18 25
R. W. Musgrove, books	5 00
A. C. McClurg & Co., books	28 38
The Macmillan Co., books	147 01
J. H. Moody, books	15 05
Amount carried forward	\$14,869 80

Amount brought forward	\$14,869 80
John Moore, books	13 00
Cora E. McDevitt, books	26 55
S. F. McLean & Co., books	\$143 40
	17 56
	<hr/>
	125 84
John D. Morris, books	43 12
Nat. Com. of Char. & Correction, books,	11 50
Nunc Licet Press, books	1 55
Old Corner Book Store, books	43 20
L. C. Page & Co., books	3 03
N. M. Parker, books	2 25
Public School Publishing Co., books	1 45
Philadelphia Book Store Co., books	247 01
G. P. Putnam's Sons, books	15 95
Publishers' Weekly, books	13 50
Publishing Society of Connecticut, books,	15 00
Public Opinion Club, books	20 00
Quebec News Co., books	2 17
Review of Reviews Co., books	21 60
George P. Rowell & Co., books	10 00
Fleming H. Revell Co., books	5 63
Scientific American Club, books	60 00
Charles Scribner's Sons, books	57 08
Silver, Burdett & Co., books	2 45
Social Circle in Concord, books	84
Sampson & Murdock Co., books	12 00
Smith & Wilkins, books	7 75
Sibley & Co., books	10 00
Scientific American, books	3 68
G. P. Strong, books	3 75
Town of Tisbury, books	5 25
Tennant & Ward, books	2 60
E. C. Towne, books	13 00
Union Library Association, books	50 43
University of Chicago Press, books	3 20
Writer Publishing Co., books	7 65
A. Wessels Co., books	3 34
Thomas Whittaker, books	3 25
John Wanamaker, books	31 22
H. W. Wilson Co., books	7 00
James T. White & Co., books	8 00
John Wiley & Sons, books	4 25
George H. Walker, books	15 00
Yale Debating Association, books	1 00
Oliver Ditson & Co., music books	110 45
Library Bureau, supplies	77 35
C. F. Hovey & Co., supplies	5 42
Olin S. Davis, supplies	60 00
Library Art Club, pictures	5 39
B. F. Freeman, pictures	3 00
Sprague & Hathaway Co., pictures	5 32
Thomas Groom & Co., stationery	65 66
Neostyle Co., stationery	17 60
A. R. Andrews, stationery	3 73
Hammond Typewriter Co., stationery	78
Scott Chemical Supply Co., stationery	1 40
George T. Bailey, periodicals	67 50
C. M. Blake, periodicals	12 00
Boston Book Co., periodicals	4 80
	<hr/>
Amount carried forward	\$16,245 29

Amount brought forward	\$16,245 29
Essex Institute, periodicals	2 00
William H. Guild & Co., periodicals . .	441 22
Julius Kuhlman, periodicals	32 50
Medford Historical Society, periodicals .	1 00
New England Historic Genealogical So- ciety, periodicals	1 50
Pub. Com. Somerville Historical Society, periodicals	5 00
Publishers' Weekly, periodicals	6 50
Psychical Research Co., periodicals . .	5 00
Public Library Monthly, periodicals . .	2 83
Record Publishing Co., periodicals . . .	18 00
Gustav Stickley, periodicals	3 00
R. O. Sherwood, periodicals	5 30
Radiator, periodicals	1 10
C. W. Tibbetts, periodicals	2 00
D. Van Nostrand Co., periodicals	1 00
H. W. Wilson & Co., periodicals	9 00
Myra L. White, periodicals	2 00
David Farquhar, binding	992 69
J. B. H. Longfellow, binding	126 00
P. B. Sanford, binding	526 71
O. S. M. Haskell, agency	265 00
A. M. Young, agency	87 04
S. Louise Chandler, agency	34 03
S. A. Riker, agency	14 68
M. L. Vinal, agency	6 35
Somerville Journal Co., printing	257 25
Webcowit Press, printing	169 55
Library of Congress, cards	75 00
A. L. A. Publishing Board, cards	6 00
Daniel Pratt's Sons, clock	12 00
Stearns & Henderson, book case	14 00
H. C. Dimond & Co., stamps	26 00
Eastern Drug Co., supplies	6 00
Charles S. Robertson, insurance	67 50
Somerville Post-office, postage	65 00
Cambridge Ice Co., ice	7 20
New England Telephone & Telegraph Co., service	47 71
C. A. Southwick, labor	35 00
W. W. Calkin, repairs	4 03
American Express Co., expressing	52 87
Gilman Express Co., expressing	139 04
E. R. Perham, expressing	21 80
Charles R. Taylor, expressing	155 37
George G. Wilber, expressing	57 30
Thorpe's Express, expressing	45
	<hr/>
	\$20,055 81

Public Library, Isaac Pitman Fund, Art.

CREDIT.

Amount held in trust, income to be used for art \$4,000 00

DEBIT.

Balance to credit of account, 1905 \$4,000 00

Public Library, Isaac Pitman Fund, Poetry.

CREDIT.

Amount held in trust, income to be used for poetry . . .	\$1,000 00
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DEBIT.

Balance to credit of account, 1905	<u>\$1,000 00</u>
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Public Library, Isaac Pitman Fund, Income, Art.

CREDIT.

Balance from 1903	\$87 15
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Receipts:—

Cash, income from invested funds	160 00
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	<u>\$247 15</u>
Balance of account unused, carried to 1905	5 61

	<u>\$241 54</u>
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DEBIT.

(Expenditures.)

Cash, paid Little, Brown & Co., books	\$67 50
T. T. Fryer, books	48 10
DeWolfe, Fiske & Co., books	3 78
Frances H. Smith, pictures	31 59
H. C. White Co., pictures	50 47
Horace K. Turner, pictures	15 60
T. W. Norman & Co., pictures	24 50

	<u>\$241 54</u>
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Public Library, Isaac Pitman Fund, Income, Poetry.

CREDIT.

Balance from 1903	\$41 49
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Receipts:—

Cash, income from invested funds	40 00
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	<u>\$81 49</u>
Balance of account unused, carried to 1905	4 23

	<u>\$77 26</u>
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DEBIT.

(Expenditures.)

Cash, paid Little, Brown & Co., books	\$74 82
Charles Scribner's Sons, books	2 44

	<u>\$77 26</u>
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Public Library, Isaac Pitman Fund, Investment Account.

CREDIT.

Balance to debit of account, 1905	\$5,000 00
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DEBIT.

Balance from 1903 (West End Railway Bonds, par value)	<u>\$5,000 00</u>
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Public Property.

CREDIT.

Balance to debit of account, 1905	\$3,826,100 14
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DEBIT.

Property and Debt Balance, property acquired in 1904	\$111,020 93
Balance from 1903	3,715,079 21
	<hr/>
	\$3,826,100 14

Real Estate Liens.

CREDIT.

Receipts:—

Cash, received for redemption of Heirs of James Charlton title	\$151 08
For redemption of Florence E. Walker title	42 24
For redemption of George A. Richards title	1 59
For redemption of Rufus A. Flanders title	54 66
For redemption of Reuel W. Thompson title	134 68
For redemption of Isabella Loudon, et al., title	24 99
	<hr/>
	\$409 24
Balance to debit of account, 1905	1,757 80
	<hr/>
	\$2,167 04

DEBIT.

(Expenditures.)

Balance from 1903	\$2,140 00
Cash, paid George A. Richards, tax of 1902 refunded, being wrongly assessed	27 04
	<hr/>
	\$2,167 04

Reduction of Funded Debt.

CREDIT.

Appropriations, from Taxes, 1904	\$103,500 00
Water Works Income, amount appropriated	26,000 00
Renewal of Funded Debt, amount of appropriation transferred	10,000 00
	<hr/>
	\$139,500 00

Receipts:—

Cash, received of Estabrook & Co., premium on bonds	4,041 25
	<hr/>
	\$143,541 25
Excess and Deficiency account, amount transferred	4,041 25
	<hr/>
	\$139,500 00
Balance to 1905	1,000 00
	<hr/>
	\$138,500 00

DEBIT.

(Expenditures.)

Cash, paid bonds maturing in 1904	\$138,500 00
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Renewal of Funded Debt.

CREDIT.

Appropriations, from Funded Debt, 1904	\$10,000 00
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DEBIT.

Reduction of Funded Debt, amount of appropriation transferred	\$10,000 00
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School Contingent.

CREDIT.

Appropriations, from Taxes, 1904	\$24,000 00
Excess and Deficiency account, balance transferred	2,089 75

\$26,089 75

Receipts:—

Commonwealth of Massachusetts, tuition of state wards	61 50
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Cash, received of G. A. Southworth, superintendent, damage to property, telephone charges, etc.	\$106 00
tuition of non-resident pupils	54 00

160 00

\$26,311 25

DEBIT.

(Expenditures.)

Cash, paid Gordon A. Southworth, salary as superintendent of schools	\$3,000 00
disbursements	206 54
Cora S. Fitch, assistant	750 00
Lemuel Snow, truant officer	1,100 00
board of horse	240 00
Jairus Mann, truant officer	50 00
Middlesex County Truant School, board of truants	245 84
Allyn & Bacon, books	180 01
American Book Co., books	1,449 15
Mary Alderson Atherton, books	465 00
D. Appleton & Co., books	6 45
Edward E. Babb & Co., books	284 67
T. H. Castor & Co., books	11 60
DeWolfe, Fiske & Co., books	117 14
Educational Publishing Co., books	85 02
Essex Publishing Co., books	35 00
Ginn & Co., books	2,150 99
D. C. Heath & Co., books	773 06
Houghton, Mifflin & Co., books	134 64
Henry Holt & Co., books	141 29
Lothrop Publishing Co., books	9 57
Longmans, Green & Co., books	85 97
Little, Brown & Co., books	55 00
Lothrop, Lee & Shepard, books	25 01

Amount carried forward	\$11,601 95
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Amount brought forward	\$11,601 95
Morse Co., books	52 20
Maynard, Merrill & Co., books	52 70
C. A. Nichols Co., books	7 50
Rand, McNally & Co., books	70 32
Silver, Burdett & Co., books	1,033 53
Sibley & Co., books	20 42
Benjamin H. Sanborn & Co., books	1,198 85
University Publishing Co., books	54 39
American Oxygen Association, supplies,	2 50
Adams, Cushing & Foster, supplies	4,109 88
Milton Bradley Co., supplies	326 89
Boston Bank Note Co., supplies	135 68
F. J. Barnard & Co., supplies	569 33
J. A. Boyle & Co., supplies	18 30
Bausch & Lomb Co., supplies	41 59
Joseph Breck & Sons, supplies	9 00
J. H. Brooks, supplies	10 04
N. H. Crowell, supplies	24 00
Mary F. Carrick, supplies	6 01
P. P. Caproni & Brother, supplies	12 98
Cook-Vivian Co., supplies	18 00
Mrs. E. T. Curtis, supplies	88 57
Cambridge Botanical Supply Co., sup- plies	3 25
Dennison Mfg. Co., supplies	11 93
E. M. Drury, supplies	6 75
Andrew Dutton, supplies	6 23
Eagle Pencil Co., supplies	14 32
Eimer & Amend, supplies	165 94
E. W. Fitch, supplies	7 75
B. F. Freeman, supplies	51 05
M. Abbott Frazar, supplies	1 50
Gilman-square Fish Market, supplies	1 12
J. L. Hammett Co., supplies	485 12
Holden Patent Book Cover Co., supplies,	271 46
Houghton & Dutton, supplies	23 84
Arthur W. Hall Scientific Co., supplies	185 70
Jordan, Marsh Co., supplies	1 50
Kenney Brothers & Wolkins, supplies	200 98
George F. King & Co., supplies	175 74
L. E. Knott Apparatus Co., supplies	75
George A. LaBree, supplies	22 15
Andrew J. Lloyd Co., supplies	2 50
Library Bureau, supplies	9 90
C. J. Maynard & Co., supplies	1 69
Marine Biological Laboratory, supplies	8 30
Mitchell Mfg. Co., supplies	4 55
Morse Co., supplies	16 20
Bunkio Matsuki, supplies	6 00
Henry F. Miller & Sons, supplies	231 25
N. E. Static Carbonating Co., supplies	2 50
Neostyle Co., supplies	60 35
W. E. Plumer & Co., supplies	194 40
Howard W. Poor, supplies	111 11
L. R. Stuart, supplies	19 49
Swett & Lewis, supplies	80
Smith-Premier Co., supplies	42 25
A. Storrs & Bement Co., supplies	3 25
Shattuck & Jones, supplies	4 50
Amount carried forward	<hr/> \$21,820 75

Amount brought forward	\$21,820 75
Silver, Burdett & Co., supplies	12 65
H. W. Stone, supplies	11 75
Thorpe & Martin Co., supplies	4 65
A. T. Thompson & Co., supplies	9 40
M. L. Vinal, supplies	294 64
Whitney & Snow, supplies	95 00
Wadsworth, Howland & Co., supplies	506 47
John M. Woods & Co., supplies	361 46
F. S. Webster Co., supplies	3 00
A. J. Wilkinson & Co., supplies	6 00
M. E. Youngjohn, supplies	2 44
Henry W. Stone, engrossing	74 80
G. R. Fisk & Co., ribbon	85 00
Clark Mfg. Co., ink	80 40
Suffolk Ink Co., ink	15 00
Carter's Ink Co., ink	5 40
McKinley Publishing Co., maps	7 86
Harvard University, examinations	8 80
Davis Ice Cream Co., collation	102 00
Somerville Journal Co., printing	818 88
Webcowit Press, printing	165 30
Courier-Citizen Co., printing	12 50
Wesley A. Maynard, printing	19 40
W. A. Greenough & Co., directories	7 00
George E. Nichols, disbursements	2 90
C. T. C. Whitcomb, disbursements	52 81
George M. Wadsworth, disbursements	4 55
S. H. Hadley, disbursements	6 50
F. C. Baldwin, disbursements	5 99
H. F. Hathaway, disbursements	2 95
A. L. Doe, disbursements	8 13
M. J. Wendell, disbursements	9 40
Charles E. Davis, taking school census	37 44
Clara Z. Elliott, taking school census	37 62
Elizabeth S. Webster, taking school census	71 30
James E. Macy, taking school census	52 72
W. E. Fickett, taking school census	38 32
Palmer, Parker & Co., lumber	13 57
Bow-street Methodist Church, use of church	150 00
Oliver Ditson Co., music	24 00
Boston Music Co., music	38 00
Arthur P. Schmidt, music	12 70
Henry F. Miller & Sons, repairing	2 50
E. S. Daniels, tuning	30 00
W. E. Fickett, services	10 00
Lewis G. Keane, services	2 30
Oscar W. Short, services	18 00
James H. Chase, services	15 00
W. H. P. Faunce, address	50 00
Edward Cummings, address	25 00
Harriet E. Bean, address	25 00
Hadley's Orchestra, music	260 00
Remington Typewriter Co., typewriters	224 00
Smith-Premier Typewriter Co., type- writers	293 35
New England Telephone & Telegraph Co., service	166 95
Amount carried forward	\$26,221 55

Amount brought forward	\$26,221 55	
American Express Co., expressing	14 28	
Gilman Express Co., expressing	2 70	
London's Express Co., expressing	12 15	
Glines & Co., expressing	43 12	
E. R. Perham, expressing	3 65	
Charles R. Taylor, expressing	11 50	
Thorpe's Express, expressing	2 30	
		<u>\$26,311 25</u>

School Teachers' Salaries.

CREDIT.

Appropriations, from Taxes, 1904	\$249,500 00
Excess and Deficiency account, balance transferred	1,080 68
	<u>\$250,580 68</u>

DEBIT.

(Expenditures.)

Cash, paid salaries as per pay-rolls	<u>\$250,580 68</u>
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Sealer of Weights and Measures.

CREDIT.

Appropriations, from Taxes, 1904	\$1,100 00
Excess and Deficiency account, balance transferred	37 59
	<u>\$1,062 41</u>

Receipts:—

Cash, received of John H. Dusseault, fees	410 04
	<u>\$1,472 45</u>

DEBIT.

(Expenditures.)

Cash, paid John H. Dusseault, salary as sealer of weights and measures	\$1,000 00
disbursements	414 30
W. L. Clough & Son, printing	6 75
W. A. Greenough & Co., directory	3 50
Somerville Journal Co., advertising	7 00
A. C. Libbey & Sons, stationery	10 00
The Fairbanks Co., lead	1 20
R. Woodman Mfg. & Supply Co., lead seals	15 45
Herman Strater & Sons, sealers, etc.	14 25
	<u>\$1,472 45</u>

Sewer Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons	\$3,742 77
Balance to debit of account, 1905	6,271 17
	<u>\$10,013 94</u>

DEBIT.

Balance from 1903	\$4,839 77	
Sewers Construction account, assessments levied	5,174 17	
		<u>\$10,013 94</u>

Sewers, Construction,

CREDIT.

Balance from 1903	\$1,374 58	
Appropriations, from Funded Debt, 1904	25,000 00	
Sewer Assessments account, assessments levied	5,174 17	
		<u>\$31,548 75</u>
Reduced by the following transfers:—		
Highways, Construction account	\$5,000 00	
Fire Department, Combination Ladder Truck and Chemical Engine account	2,500 00	
Public Buildings Construction, L. V. Bell School Fire Escapes account	1,500 00	
		<u>9,000 00</u>
		<u>\$22,548 75</u>
Balance of account unused, carried to 1905	6,747 08	
		<u>\$15,801 67</u>

Stock and labor billed other departments:—

Sewers Maintenance account	\$91 52	
Sidewalks Construction account	71 12	
Public Grounds account	8 88	
Water Maintenance account	93 00	
Highways, Paving Broadway, Bow and Summer Streets account	10 00	
		<u>274 52</u>
		<u>\$16,076 19</u>

DEBIT.

(Expenditures.)

Cash, paid laborers	\$3,058 47	
Charles A. Kelley, constructing sewer:—		
Beacon street	172 76	
Powder-House boulevard	479 99	
North street and boulevard	681 86	
William J. McCarthy, constructing sewer:—		
Packard avenue and Teele street	87 55	
Patrick Burke, constructing sewer:—		
Ossipee road	28 69	
Ware street	188 06	
Timothy F. Crimmings, constructing sewer:—		
Middlesex avenue	731 06	
Boston avenue	566 46	
Line street	260 55	
Richard Falvey, constructing sewer:—		
Lexington avenue	40 60	
Amount carried forward	\$6,296 05	

Amount brought forward	\$6,296 05	
Webster avenue and Washington street	453 62	
Beacon street	314 02	
Cameron avenue	391 44	
Highland road	366 41	
Pearson avenue	310 35	
Bartholomew Burke, constructing sewer:—		
Porter street	237 91	
Russell road	320 62	
Daniel A. Dorey, constructing sewer:—		
Leland street and Dane avenue	805 00	
New England Brick Co., bricks	112 00	
M. A. Simpson, sand	18 00	
Boston Elevated Railway Co., labor on catch basin	8 19	
Somerville Iron Foundry, castings	733 96	
Osgood & Witherly, castings	69 90	
Barbour-Stockwell Co., traps	40 00	
Thomas Groom & Co., books	13 75	
A. E. Locke, receiver, bricks	478 40	
Davenport-Brown Co., centres	15 20	
F. C. Ayer, lumber	34 31	
Portland Stone Ware Co., pipe	893 70	
Waldo Brothers, pipe	3,217 20	
James Tevlin, use of teams	543 75	
Boston & Maine Railroad Co., freight	60 00	
Hemeon Brothers, building gate	4 90	
New England Telephone & Telegraph Co., rails	73 60	
Somerville Journal Co., advertising	12 00	
Webcowit Press, printing	32 33	
Edwin O. Childs, registrar, recording	7 95	
	<hr/>	
	\$15,864 56	
Highways Maintenance account, repairing street	118 13	
Water Maintenance account, pipe, etc.	93 50	
	<hr/>	
		\$16,076 19

Sewers, Maintenance.

CREDIT.

Water Works Income, amount appropriated	\$11,800 00
City Engineer account, amount transferred	180 95
Excess and Deficiency account, balance transferred	189 67
	<hr/>
	\$12,170 62

Receipts:—

Cash, received of M. W. Carr & Co., bricks, etc.	\$34 38	
I. B. Walker, hose	30 00	
Somerville Iron Foundry, old iron	7 55	
	<hr/>	
		71 93
Stock and labor billed other departments:—		
City Engineer account	\$35 88	
Highways, Paving Broadway, Bow and Summer Streets account	125 47	
	<hr/>	
Amounts carried forward	\$161 35	\$12,242 55

Amounts brought forward	\$161 35	\$12,242 55
Public Grounds account	4 52	
Support of Poor, City Home account	19 68	
Water Maintenance account	34 76	
		220 31
		<u>\$12,462 86</u>

DEBIT.
(Expenditures.)

Cash, paid laborers	\$7,348 32
Charles E. Berry, labor	4 30
Davenport-Brown Co., lumber	45
F. C. Ayer, lumber	24 24
Boston Coupling Co., hose	135 00
The Cornelius Callahan Co., hose	6 25
Boston Belting Co., disc	4 80
T. F. Crimmings, cement	10 50
M. A. Simpson, sand	10 00
Waldo Brothers, lime and cement	51 89
W. F. Bennett, gravel	2 25
Eastern Salt Co., salt	6 80
F. O'Brien, salt	1 70
A. Goldstein, rubber boots and repairing,	10 70
Breen Brothers, boots	25 38
David H. Hyde, rubber boots	25 50
Pinkham's Shoe Store, rubber boots	4 75
Riverside Trunk Co., oil suits	\$72 26
	36 13
	<u>36 13</u>
Thomas Groom & Co., books	13 50
Suburban Coal Co., coal	27 10
Highland Coal Co., pipe	2 36
New England Brick Co., bricks	45 60
A. E. Locke, receiver, bricks	164 80
George L. Reed, agent, rent of water	300 00
course	
Hemeon Brothers, building boat	5 25
Somerville Iron Foundry, castings	105 36
Osgood & Witherly, castings	41 70
William S. Howe, bolts	12
James Tevlin, teaming	3,195 76
S. H. Thompson, lunch	5 00
Mrs. A. H. Wood, repairing flag	1 00
I. B. Walker, tools and repairing	14 90
T. J. Walsh, repairing	5 00
Whitney & Snow, hardware	123 13
E. S. Sparrow & Co., hardware	1 75
Underhill Hardware Co., hardware	6 00
H. Wood, repairing	2 95
C. L. Underhill, repairing tools	33 30
J. E. Gallagher, sharpening tools	2 40
Martin & Hughes, sharpening saw	1 30
William G. Martin, keys and repairing	70
A. R. Hyde, repairing	2 10
F. W. Farrar, repairing clock	2 00
Simpson Brothers Corporation, repair-	
ing sidewalk	27 60
Jere. Donovan, repairing sewer	10 00
M. Buttimer, repairing drain	113 14
Amount carried forward	<u>\$11,962 78</u>

Amount brought forward	\$11,962 78	
Alvah C. Stone, paint	6 00	
Michael W. Hefferan, settlement of suit,	300 00	
Perrin, Seamans & Co., couplings and		
pipe	21 78	
Herbert I. Loughton, disbursements	4 00	
E. W. Danforth, disbursements	16 40	
Howard Lowell & Son, carriage hire	8 00	
New England Telephone & Telegraph		
Co., service	21 48	
Glines & Co., expressing	15	
E. R. Perham, expressing	15	
Gilman Express, expressing	60	
	<hr/>	
	\$12,341 34	
Highways, Maintenance account, repairing		
sidewalk	30 00	
Sewers Construction account, pipe	91 52	
	<hr/>	
		<u>\$12,462 86</u>

Sidewalk Assessments.

CREDIT.		
Balance of account carried to 1905		\$6,009 18
Receipts:—		
Cash, received of sundry persons		11,277 43
		<hr/>
		\$17,286 61
DEBIT.		
Balance from 1903	\$4,508 32	
Sidewalks Construction account, assess-		
ments levied	12,778 29	
	<hr/>	
		<u>\$17,286 61</u>

Sidewalks, Construction.

CREDIT.		
Appropriations, from Funded Debt, 1904		\$10,000 00
Balance of account carried to 1905		2,825 45
		<hr/>
		\$12,825 45
Sidewalk Assessments account, assessments levied		12,778 29
		<hr/>
		\$25,603 74
Receipts:—		
Cash, received of Charles Evans, bricks	\$26 50	
Katie M. Grimmons, sidewalk	29 07	
D. P. Page, sidewalk	35 92	
Christopher T. McGrath, sidewalk	31 25	
George S. Smith, sidewalk	28 00	
Harvey D. McGray, granolithic	28 58	
Herbert I. Loughton, edgestones	4 84	
	<hr/>	
		184 16
Stock and labor billed other departments:—		
Highways Maintenance account		4 25
		<hr/>
		\$25,792 15

DEBIT.

(Expenditures.)

Cash, paid laborers	\$7,858 28	
Ham & Carter Co., bricks	2,374 13	
S. & R. J. Lombard, edgestones	13,113 07	
Portland Stone Ware Co., tiles	14 30	
William J. McCarthy, dust	12 83	
T. Allen, granolithic	131 50	
City of Medford, bricks	19 20	
Robert E. Whittle, allowance on grano- lithic walk	10 10	
	<hr/>	
	\$23,533 41	
Highways Maintenance account, city teams,	2,169 95	
Highways, Paved Gutters and Crossings ac- count, bricks	17 67	
Sewers Construction account, edgestones .	71 12	
	<hr/>	
		\$25,792 15

Sidewalks, Maintenance.

CREDIT.

Appropriations, from Taxes, 1904	\$6,000 00	
Excess and Deficiency account, balance transferred	416 32	
	<hr/>	
		\$6,416 32
Receipts:—		
Cash, received of Emma T. Whitney, repairing		8 00
Stock and labor billed other departments:—		
Highways Maintenance account	\$32 80	
Highways, Paved Gutters and Crossings ac- count	164 25	
Highways, Paving Broadway, Bow and Summer Streets account	16 25	
	<hr/>	
		213 30
		<hr/>
		\$6,637 62

DEBIT.

(Expenditures.)

Cash, paid laborers	\$4,991 30	
William J. McCarthy, crushed stone	6 73	
Thomas Groom & Co., books	17 00	
W. L. Waugh, stakes	17 38	
A. E. Locke, receiver New England Brick Co., bricks	43 75	
Estate Thomas Casey, bricks	84 00	
Ham & Carter Co., bricks	485 64	
J. H. Fannon, repairing concrete	3 80	
	<hr/>	
	\$5,649 60	
Highways Maintenance account, use of city teams	988 02	
	<hr/>	
		\$6,637 62

Soldiers' Burials.

CREDIT.

Receipts:—

Commonwealth of Massachusetts, soldiers' burials . . . \$490 00

DEBIT.

(Expenditures.)

Cash, paid John Bryant's Sons, services as		
undertakers	\$35 00	
F. M. Wilson, services as undertaker .	140 00	
A. E. Mann, services as undertaker .	70 00	
Mrs. Samuel G. Smith & Co., services		
as undertakers	35 00	
W. A. Frink, services as undertaker .	70 00	
John B. Burke, services as undertaker .	35 00	
David Fudge & Son, services as under-		
takers	35 00	
John E. Kauler, services as undertaker .	35 00	
William A. Flaherty & Son, services as		
undertakers	35 00	
		<u>\$490 00</u>

Soldiers' Relief.

CREDIT.

Appropriations, from Taxes, 1904	\$20,000 00
Excess and Deficiency account, balance transferred . . .	903 10
	<u>\$20,903 10</u>

Receipts:—

Cash, received of Hannah Kenney, board .	\$36 00	
Town of Athol, board	108 00	
		<u>144 00</u>
		<u>\$21,047 10</u>

DEBIT.

(Expenditures.)

Cash, paid sundry persons as per pay-rolls .	\$20,780 50	
Worcester Insane Hospital, board .	121 42	
Mass. Homoeopathic Hospital, board .	32 25	
Somerville Hospital, board	22 86	
Webcowit Press, printing cards	9 00	
Somerville Journal Co., blanks	6 00	
Wellington-Wild Coal Co., coal	7 15	
City of Woburn, supplies	24 92	
Margaret Coffin, nursing	6 00	
Mary Hunt, watching	5 00	
William C. Newton, M. D., attendance .	32 00	
		<u>\$21,047 10</u>

Somerville Hospital.

CREDIT.

Appropriations, from Taxes, 1904	\$5,000 00
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DEBIT.

(Expenditures.)

Cash, paid for support of sick poor	<u>\$5,000 00</u>
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State Aid.CREDIT.
(Receipts.)

Commonwealth of Massachusetts, state aid paid in 1904 . . . \$14,327 00

DEBIT.
(Expenditures.)

Cash, paid monthly pay-rolls	\$14,361 50	
	34 50	
	<hr/>	<hr/>
		\$14,327 00

Street Lights.

CREDIT.

Appropriations, from Taxes, 1904	\$65,000 00
Excess and Deficiency account, balance transferred . . .	114 96
	<hr/>
	\$64,885 04

DEBIT.
(Expenditures.)

Cash, paid the Edison Electric Illuminating		
Co. of Boston, arc lighting	\$50,971 79	
incandescent lighting	13,737 25	
moving lamps	6 00	
Welsbach Street Lighting Co. of		
America, lighting	144 00	
Jairus Mann, disbursements	10 00	
J. H. Thompson, carriage hire	16 00	
	<hr/>	<hr/>
		\$64,885 04

Sundry Persons.

CREDIT.

Balance from 1903	\$474 21
Receipts:—	
Cash, received of Dennis C. Mahoney, amount not called	
for	50 00
	<hr/>
	\$524 21

DEBIT.

Balance to credit of account, 1905	<hr/>	\$524 21
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Support of Poor, City Home.

CREDIT.

Appropriations, from Taxes, 1904	\$4,000 00
Excess and Deficiency account, balance transferred . . .	1,186 63
	<hr/>
	\$2,813 37

Receipts:—

Commonwealth of Massachusetts, aid	25 00
Cash, received of Charlotte Wahlquist,	
board	\$185 00
	<hr/>
Amounts carried forward	\$185 00
	<hr/>
	\$2,838 37

Amounts brought forward	\$185 00	\$2,838 37
Mary F. Solis, et al., board	10 50	
Town of Sandwich, board	67 50	
Joseph Breck & Sons Corporation, produce	103 17	
Schlegel & Fottler Co., produce	83 00	
W. W. Rawson & Co., produce	70 40	
John Wolff, Jr., & Co., produce	150 22	
J. Foster Colquhoun, produce	2,910 57	
		3,580 36
Stock and labor billed other departments:—		
Support of Poor, Miscellaneous account		144 38
		<u>\$6,563 11</u>

DEBIT.

(Expenditures.)

Cash, paid J. Foster Colquhoun, salary as warden	\$700 00
disbursements	291 27
Mrs. Catherine Colquhoun, matron	250 00
Sundry persons, services	1,529 56
I. L. Roberts, horseshoeing	31 00
J. B. Rufer, horseshoeing	21 15
I. B. Walker, wagon repairs	51 44
The Hale & Mayhew Co., wagon repairs, Henry A. Wheeler & Co., wagon cover	24 15
J. S. Bradeen & Co., hay and grain	11 88
teaming	579 02
Joseph A. Pearson, harness work	11 00
D. J. Bennett, harness work	11 95
D. M. Osborne & Co., repairing harrows, Schlegel & Fottler, farm supplies	18 60
Joseph Breck & Sons, farm supplies	75
Rice Brothers, farm supplies	103 51
W. W. Rawson & Co., farm supplies	35 59
H. S. Pond, swill	6 15
D. J. Green & Co., baskets	11 75
George P. Page & Co., tomato box shooks	196 75
M. J. Gallagher & Co., long boxes	63 70
A. H. Hews & Co., flower pots	4 50
Allen-Thompson-Whitney Co., furniture, Jackson Caldwell & Co., furniture	3 00
Jordan, Marsh Co., kitchen goods	21 75
Andrew Dutton, window shades	5 20
Magee Furnace Co., range repairing	15 97
George H. Thayer, boots and shoes	14 95
Alonzo Keene, clothing	1 50
Mass. State Prison, boots and clothing	26 05
Parke Snow, dry goods	10 60
Reuben Ring & Co., medicine	48 00
Percy A. Hall, medicine	78 58
John E. Kauler, burial	5 25
C. W. Lerner & Co., disinfectant	18 78
J. L. Glover & Son, groceries	85 00
Russell & Co., groceries	2 50
S. M. Laurence, groceries	294 94
J. W. Roberts & Co., groceries	63 28
Henry F. Sander Co., groceries	50 76
	369 35
	140 85
Amount carried forward	<u>\$5,211 78</u>

Amount brought forward	\$5,211 78	
Fowle, Hibbard & Co., groceries	6 97	
National Biscuit Co., groceries	45 06	
F. J. Hopkins, groceries	74 85	
Sperber & Co., groceries	203 88	
J. S. Newcomb & Co., groceries	71 63	
H. F. Sander, groceries	122 38	
Charles A. Holmes, groceries	4 00	
Ar-Showe & Co., groceries	19 40	
L. C. Fisher & Co., groceries	32 85	
North Packing & Provision Co., groceries	7 58	
Clark Brothers Co., groceries	36 60	
Boston Dairy Co., groceries	4 69	
John Wolff, Jr., & Co., groceries	6 25	
L. M. Dyer & Co., groceries	127 66	
A. P. Downs & Co., groceries	4 58	
Howe, French Corporation, hardware	2 00	
E. S. Sparrow & Co., hardware	27 95	
W. E. Plumer & Co., hardware	46 46	
Highland Coal Co., lime	7 30	
E. Horne, mason work	36 00	
J. C. H. Snow, lumber and carpentering, Robert McDonald, lumber	42 46	
E. D. Sawyer Lumber Co., lumber	28 27	
H. Wood, sharpening saws	74 18	
C. D. Burlingame, painting fence	2 50	
David W. Lewis Co., tile	50 00	
C. F. Merrill, lawn mower	19 56	
C. F. Merrill, lawn mower	1 25	
Somerville Journal Co., printing	8 00	
Thomas Groom & Co., books and sta- tionery	3 75	
New England Telephone & Telegraph Co., service	51 93	
Devlin Brothers, greenhouse	125 00	
Cambridge Ice Co., ice	14 40	
	<hr/>	
	\$6,521 17	
Sewers Maintenance account, tide gate	19 68	
Water Maintenance account, water pipes	22 26	
	<hr/>	
		\$6,563 11

Support of Poor, Miscellaneous.

CREDIT.

Appropriations, from Taxes, 1904	\$14,000 00	
Excess and Deficiency account, balance transferred	2,101 92	
	<hr/>	
		\$16,101 92
Receipts:—		
Commonwealth of Massachusetts, support of state paupers		1,045 32
Commonwealth of Massachusetts, temporary support of state paupers		203 32
Commonwealth of Massachusetts, burial of state paupers		37 00
Cash, received for support of paupers:—		
City of Boston	\$827 31	
City of Cambridge	717 17	
City of Chelsea	85 00	
	<hr/>	
Amounts carried forward	\$1,629 48	\$17,387 56

Amounts brought forward	\$1,629 48	\$17,387 56
City of Everett	122 17	
City of Fall River	228 15	
City of Gloucester	66 03	
City of Haverhill	11 00	
City of Lowell	38 05	
City of Lynn	11 00	
City of Malden	28 45	
City of Marlboro	6 00	
City of Medford	37 00	
City of Newton	108 00	
City of Salem	10 25	
City of Springfield	21 25	
City of Woburn	72 00	
City of Worcester	39 30	
Town of Belmont	10 00	
Town of Canton	140 50	
Town of Framingham	19 40	
Town of Harwich	2 00	
Town of Wakefield	10 00	
Town of Winchester	3 20	
Charles I. Davis, aid furnished	36 80	
Frederick A. P. Fiske, guardian, aid furnished	85 42	
Augustus W. Hopkins, aid furnished	73 60	
Mary Brady, aid furnished	36 80	
Mary E. Taylor, aid furnished	15 18	
Mrs. Herbert K. Woodman, aid furnished	110 96	
Lewis H. Shephard, guardian, aid furnished	42 71	
Ellen I. Holmes, aid furnished	8 00	
Francis Dolan, administrator, aid furnished	15 00	
John Toomey, aid furnished	50 14	
		3,087 84
		<u>\$20,475 40</u>

DEBIT.

(Expenditures.)

Cash, paid for support of paupers:—	
Commonwealth of Massachusetts	\$420 10
Worcester Insane Hospital	1,546 12
Worcester Insane Asylum	128 14
Medfield Insane Asylum	812 80
Westboro Insane Hospital	535 76
Danvers Insane Hospital	314 78
Taunton Insane Hospital	175 96
Boston Insane Hospital	42 71
Massachusetts School for Feeble-Minded	793 42
Massachusetts Hospital for Dipsomaniacs and Inebriates	521 52
Massachusetts Hospital for Epileptics	828 42
Massachusetts State Sanatorium	50 47
Massachusetts General Hospital	15 00
Boston Observation Hospital	20 71
Somerville Hospital, support and treatment of sick poor	1,290 00
City of Boston	1,261 79
Amount carried forward	<u>\$8,757 70</u>

Amount brought forward	\$8,757 70
City of Cambridge	39 71
City of Everett	21 75
City of Malden	20 00
City of Medford	1 75
City of Melrose	38 05
City of New Bedford	1 71
City of Woburn	15 00
City of Worcester	6 00
Town of Attleboro	71 65
Town of Dedham	19 00
Town of Revere	64 84
Town of West Newbury	221 37
Town of Winchester	10 40
Ellen Mahoney, cash allowance	84 00
Bridget Condon, board	156 90
Susie J. Palmer, board	65 16
Maria S. Higgins, board	44 59
Clara Roberts, board	42 71
The Childrens' Mission, board	148 00
Ascenith Sawyer, board	95 12
Charles C. Folsom, salary as agent	1,600 00
disbursements	251 54
Alvah B. Dearborn, city physician	1,800 00
Cora F. Lewis, secretary	700 00
Ann McCarvill, board	\$26 29
	1 14
	<hr/>
	25 15
Julia Campbell, board	3 25
Emiline K. Willis, board	10 72
Wellington-Wild Coal Co., fuel	617 63
Frank A. Teele, fuel	40 10
Bristol-Myers Co., medicine	8 25
The Fraser Tablet Co., medicine	3 63
Fenelon's Pharmacy, medicine	12 75
G. F. Harvey Co., medicine	22 60
Bell & Co., medicine	8 00
Milton H. Plummer, medicine	7 25
Surgeons' & Physicians' Supply Co., medicine	5 14
W. P. Blanchard, groceries	129 00
A. F. Carpenter, groceries	180 87
James Bartley, groceries	495 87
F. A. Barlow, groceries	199 50
Charles S. Butters, groceries	206 80
N. R. Barrows, groceries	188 00
F. E. Cheney Co., groceries	224 60
Copithorne Brothers, groceries	54 70
Edward Coliten & Son, groceries	177 12
F. L. Card, groceries	81 00
James Davis, groceries	377 50
C. F. Crocker, groceries	2 01
Charles F. Giles, groceries	666 85
James Harris, groceries	20 00
M. L. King, groceries	26 00
Medford-street Market, groceries	254 11
James H. Maguire, groceries	201 00
D. A. McKay, groceries	240 00
North Packing & Provision Co., groceries	30 00
	<hr/>
Amount carried forward	\$18,796 35

Amount brought forward	\$18,796 35
Susan Nangle, groceries	48 00
A. E. Robie, groceries	146 50
R. M. Sturtevant & Co., groceries	679 37
C. L. Stevens, groceries	24 00
D. E. Watson, groceries	120 50
F. M. Wilson, burials	25 00
A. E. Mann, burials	85 00
G. F. McKenna, burials	35 00
P. H. Rafferty, burials	10 00
Francis E. Flaherty, burials	52 00
David Fudge & Son, burials	5 00
Joseph J. Kelley & Son, burials	10 00
John E. Kauler, burials	25 00
Howard Lowell & Son, carriage hire	3 00
Charles W. Dailey, ambulance	14 00
Charles E. Berry, shoe repairing	1 75
F. W. Gilbert, boots and shoes	65 35
David H. Hyde, boots and shoes	1 50
J. H. Brooks, dry goods	12 60
Belden & Snow, clothing	2 50
J. L. Fairbanks & Co., pauper register	5 50
W. A. Greenough & Co., directory	4 00
Thomas Groom & Co., stationery	11 25
Smith-Premier Typewriter Co., repairs	2 80
M. G. Staples, teaming	1 00
A. M. Prescott, moving furniture	5 00
New England Telephone & Telegraph Co., service	106 85
Somerville Journal Co., printing	29 50
Fresh Pond Ice Co., ice	2 70

	\$20,331 02
Support of Poor, City Home account, fuel	144 38

\$20,475 40

Taxes.

CREDIT.

Receipts:—

Cash, received for taxes of 1896	\$20 00
“ “ “ “ 1898	160 00
“ “ “ “ 1899	243 55
“ “ “ “ 1900	310 99
“ “ “ “ 1901	723 54
“ “ “ “ 1902	1,546 84
“ “ “ “ 1903	293,568 34
“ “ “ “ 1904	819,774 07

\$1,116,347 33

Overlay and Abatement:—

Abatements on taxes of 1896	\$16 78
“ “ “ “ 1897	159 70
“ “ “ “ 1898	5,056 88
“ “ “ “ 1899	1,994 33
“ “ “ “ 1900	1,076 34
“ “ “ “ 1901	1,862 78
“ “ “ “ 1902	1,867 72
“ “ “ “ 1903	1,695 48
“ “ “ “ 1904	6,525 53

20,255 54

Amount carried forward	\$1,136,602 87
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Amount brought forward	\$1,136,602 87	
Balance to debit of account, 1905:—		
Being uncollected taxes of 1900	\$1,493 08	
" " " " 1901	2,603 31	
" " " " 1902	4,249 56	
" " " " 1903	7,297 06	
" " " " 1904	234,243 44	
	<hr/>	249,886 45
		<hr/>
		\$1,386,489 32

DEBIT.

Balance from 1903	\$325,946 28	
Tax Levy, as per assessors' warrant of August 10, 1904	1,059,292 56	
Supplementary warrants, amounts credited to Overlay and Abatement account	1,250 48	
	<hr/>	\$1,386,489 32
		<hr/>

Temporary Loans.

CREDIT.

Balance from 1903		\$375,000 00
Cash, borrowed by authority of the Board of Aldermen on notes as follows:—		
City Note No. 568, nine months, 4.25 per cent.	\$50,000 00	
City Note No. 569, nine months, 4.38 per cent. discount	50,000 00	
City Note No. 570, six months, 4 per cent.	20,000 00	
City Note No. 571, six months, 4 per cent.	10,000 00	
City Note No. 572, nine months, 4.25 per cent.	50,000 00	
City Note No. 573, ten months, 4.05 per cent. discount	25,000 00	
City Note No. 574, ten months, 4.05 per cent. discount	25,000 00	
City Note No. 575, ten months, 4.05 per cent. discount	25,000 00	
City Note No. 576, ten months, 4.05 per cent. discount	25,000 00	
City Note No. 577, six months, 3.25 per cent.	50,000 00	
City Note No. 578, six months, 3.25 per cent.	50,000 00	
City Note No. 579, four months, twenty- four days, 3.03 per cent.	25,000 00	
City Note No. 580, four months, twenty- four days, 3.03 per cent.	25,000 00	
City Note No. 581, four months, twenty- four days, 3.03 per cent.	25,000 00	
City Note No. 582, four months, twenty- four days, 3.03 per cent.	25,000 00	
City Note No. 583, nine months, 3.75 per cent.	50,000 00	
City Note No. 584, ten months, 3.82 per cent.	25,000 00	
City Note No. 585, ten months, 3.82 per cent.	20,000 00	
	<hr/>	
Amounts carried forward	\$575,000 00	\$375,000 00

Amounts brought forward	\$575,000 00	\$375,000 00
City Note No. 586, ten months, 3.82 per cent.	25,000 00	
City Note No. 587, ten months, 3.82 per cent.	30,000 00	
City Note No. 588, six months, 3.65 per cent.	50,000 00	
City Note No. 589, six months, 3.65 per cent.	50,000 00	
	<hr/>	730,000 00
		<hr/>
		\$1,105,000 00

DEBIT.

(Expenditures.)

Cash, paid as follows:—

City Note No. 545, nine months, 4.60 per cent.	\$85,000 00	
City Note No. 551, seven months, 4.74 per cent. discount	25,000 00	
City Note No. 552, seven months, 4.74 per cent. discount	15,000 00	
City Note No. 553, seven months, 4.74 per cent. discount	10,000 00	
City Note No. 554, seven months, 4½ per cent.	15,000 00	
City Note No. 562, six months, 4.90 per cent.	100,000 00	
City Note No. 563, six months, 4.50 per cent.	10,000 00	
City Note No. 564, six months, 4.75 per cent.	15,000 00	
City Notes Nos. 565, 566, and 567, seven months, 4.46 per cent. discount	100,000 00	
City Notes Nos. 570-571, six months, 4 per cent.	30,000 00	
City Note No. 568, nine months, 4.25 per cent.	50,000 00	
City Note No. 569, nine months, 4.38 per cent. discount	50,000 00	
City Notes Nos. 579-580-581-582, four months, twenty-four days, 3.03 per cent., \$25,000 each	100,000 00	
City Note No. 572, nine months, 4.25 per cent.	50,000 00	
City Notes Nos. 577-578, six months, 3.25 per cent.	100,000 00	
	<hr/>	
	\$755,000 00	
Balance to credit of account, 1905	350,000 00	
	<hr/>	
		\$1,105,000 00

Water Loan Interest.

CREDIT.

Water Works Income, amount appropriated	\$4,850 00
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DEBIT.

Coupons maturing April 1, 1904:—

\$76,000, six months, 4 per cent.	\$1,520 00
Amount carried forward	\$1,520 00

Amount brought forward	\$1,520 00	
Coupons maturing July 1, 1904:—		
\$37,000, six months, 4 per cent.	740 00	
\$10,000, six months, 5½ per cent.	275 00	
Coupons maturing October 1, 1904:—		
\$76,000, six months, 4 per cent.	1,520 00	
Coupons maturing January 1, 1905:—		
\$26,000, six months, 4 per cent.	520 00	
\$10,000, six months, 5½ per cent.	275 00	
		<u>\$4,850 00</u>

Water Maintenance.

CREDIT.

Water Works Income, amount appropriated	\$30,000 00	
Transferred from Water Works Extension account	4,282 13	
		<u>\$25,717 87</u>
Water Works Income, balance of appropriation transferred	288 52	
		<u>\$25,429 35</u>

Receipts:—

Cash, received of sundry persons, costs	\$244 00	
Esther A. Carey, replacing service pipe	6 75	
Mrs. H. G. Minot, replacing shut-off	2 65	
Dudley F. Hunt, et al., deficiency in revenue	13 00	
E. A. Guild, labor on service pipe	6 95	
Daniel Morrison, old leather	31 50	
J. H. Park, repairs	3 10	
Z. E. Cliff, repairs	3 50	
Albert Fiske, renewal of service pipe	9 95	
William Taylor, labor	9 65	
H. D. Padelford, labor	21 30	
Mrs. W. C. Bailey, repairing service	9 85	
W. A. Bell, labor, etc.	6 60	
Sullivan Niles, et al., repairing service pipe	22 50	
James F. Davlin, fittings	1 50	
John P. Squire & Co., pipe and fittings	689 09	
A. P. Sears, repairing service	8 85	
Kerr Chemical Co., repairs	6 10	
Mrs. John C. Garrett, labor, etc.	5 45	
Glenn T. Morse, renewal service pipe	6 30	
F. X. LeFebvre, repairs	5 75	
Mrs. J. M. Prince, labor	3 85	
John E. Parry, repairing service	6 05	
Daniel Richards, renewal service pipe	5 90	
American Tube Works, pipe	248 38	
Max Ruben, old iron	21 25	
J. C. H. Snow, labor	2 30	
Frank Timney, labor	6 90	
Mrs. M. Alletzhausser, replacing service pipe	6 85	
C. M. Kingman, labor	1 50	
Mrs. John P. Sullivan, repairs	2 00	
Mrs. David R. Hersey, labor	3 35	
Barber Asphalt Paving Co., labor, etc.	9 10	
Amounts carried forward	\$1,431 77	<u>\$25,429 35</u>

Amounts brought forward	\$1,431 77	\$25,429 35
Frank A. Teele, repairing service	8 20	
Boston Elevated Railway Co., water, etc.,	37 00	
Joseph P. Glynn, repairs	2 65	
Michael Harrington, . renewal service pipe	4 70	
Elizabeth Bailey, repairing meter	3 00	
W. L. Snow, repairing service pipe	7 05	
Coleman Brothers, pipe connection	14 55	
Metropolitan Water & Sewerage Board, labor	93 23	
Fred J. Hadley, renewal of service pipe	50 65	
Hannah A. Collieson, fittings	2 85	
Lewis R. Martin, renewal service pipe	3 85	
Dennis J. Lewis, renewal service pipe	7 00	
Caroline R. Bancroft, repairing leak	3 33	
Thomas Whitemore, materials, etc.	8 55	
Delia Gaffney, replacing service	5 85	
Mary A. Hodsdon, repairs	6 00	
George F. Wilson, repairs	5 00	
Andrew Lowery, renewal service pipe	13 10	
Mrs. W. Sweetman, repairs	3 00	
Broadway Congregational Church, repairs	10 45	
Charles E. Giles, meter	9 00	
Mrs. A. M. Higgins, replacing service pipe	18 80	
James Mahoney, replacing service pipe	4 00	
Rebecca H. Rogers, replacing service pipe	8 20	
O. H. Perry, repairing shut-off	2 05	
Heirs Hugh Gill, renewal service pipe	18 64	
Mrs. E. L. Stearns, meter	7 50	
Margaret Connolly, replacing service pipe	6 00	
George Stevenson, replacing service pipe,	17 30	
Edward W. Fox, labor	3 15	
L. C. Little, stock and labor	3 50	
Martha S. Wilhelm, stock and labor	7 00	
Estate Sarah J. O'Neil, labor	10 02	
George F. Sargent, renewal service pipe	6 85	
Rebecca McHugh, renewal service pipe	34 30	
Mary A. Gormley, renewal service pipe	5 40	
C. F. & M. I. Wentworth, renewal service pipe	7 10	
Lorenzo W. Bowen, meters	18 00	
John McKenna, old iron	100 72	
Braman, Dow & Co., lead and packing	3 00	
Somerville Hospital, water pipe	52 06	
North Packing & Provision Co., pipe, etc.	772 75	
Boston & Maine Railroad, service connection	21 80	
Middlesex Paper Co., gate box, etc.	18 70	
James F. Skelley, renewal service pipe	3 55	
Somerville Journal Co., fittings	9 94	
Abby H. Sanborn, repairing service	10 35	
L. L. Whiton, renewal service pipe	5 45	
Felix Viano, repairing service	7 10	
Ellen R. Pauly, repairs	3 45	
Amounts carried forward	\$2,917 46	\$25,429 35

Amounts brought forward	\$2,917 46	\$25,429 35
Sarah E. Fiske, repairs	2 35	
Hugh Munro, fittings	1 50	
	<hr/>	2,921 31

Stock and labor billed other departments:—

Highways, Maintenance account	\$207 15	
Highways, Paving Broadway, Bow and Summer Streets account	131 93	
Public Grounds account	42 17	
Support of Poor, City Home account	106 88	
Sewers Construction account	93 50	
Water Works Extension account	15,935 20	
	<hr/>	16,516 83
		<hr/>
		\$44,867 49

DEBIT.

(Expenditures.)

Cash, paid laborers	\$16,567 02	
	58 00	
	<hr/>	\$16,509 02
Frank E. Merrill, salary as water com- missioner	2,300 00	
disbursements	118 17	
Edward M. Shedd, inspector	1,248 00	
Lillian E. Leavitt, assistant	780 00	
Laura E. Peavey, assistant	600 00	
Bessie L. L. Crosby, clerical services	65 34	
Florence H. Plimpton, clerical services	60 00	
Effie M. Fife, clerical services	32 00	
Eda Fitch, clerical services	16 00	
Fulton O'Brien, hay and grain	196 69	
Nathan Tufts & Sons, hay and grain	232 75	
Hobart S. Palmer, hay and grain	613 92	
William F. Emerson, hay and grain	8 00	
Edward O'Brien, horseshoeing	125 26	
George W. Ladd, horseshoeing	29 00	
J. B. Rufer, horseshoeing	25 75	
Hale & Mayhew Co., wagon repairs	68 10	
C. L. Underhill, wagon repairs	242 64	
D. J. Bennett, harness work	114 75	
Morgan & Bond, harness work	1 25	
William Buckley, veterinary services	27 00	
Elias Lathrop, hoof ointment	4 00	
A. J. Wilkinson & Co., tools	46 26	
Brosnihan Wrench Co., tools	8 00	
Greenwood & Daggett Co., tools	34 26	
Chandler & Farquhar, tools	20 32	
H. Wood, repairing tools	1 60	
Martin & Hughes, repairing tools	2 85	
William G. Martin, repairing tools	80	
H. J. Shaw, repairing tools	5 46	
I. B. Walker, iron work	5 05	
Arthur Holt, repairing flagstaff	5 00	
J. W. Howard, plants	13 75	
F. W. Gilbert, rubber boots	12 25	
R. Woodman Mfg. & Supply Co. copper wire	2 50	
Electric Gas Lighting Co., supplies	3 15	
	<hr/>	
Amount carried forward	\$23,578 89	

Amount brought forward	\$23,578 89
Richards & Co., pig lead	484 88
E. S. Sparrow & Co., hardware	6 45
W. E. Plumer & Co., hardware	193 20
Underhill Hardware Co., hardware	139 56
William J. Wiley, hardware	1 90
William S. Howe, hardware	6 74
Andrew J. Lloyd & Co., charts	2 05
Crosby Steam Gage & Valve Co., charts,	4 00
Henry C. Hunt & Co., leather pieces	17 50
Charles N. Bacon, felting	20 69
Chapman Valve Mfg. Co., valves	155 45
The Fairbanks Co., valves	54 64
Rensselaer Mfg. Co., valves	279 25
Coffin Valve Co., gates, bolts, etc.	62 40
Chadwick-Boston Lead Co., pipe	1,183 23
Waldo Brothers, pipe	255 15
R. D. Wood & Co., pipe	4,793 97
U. S. Cast Iron Pipe & Foundry Co., pipe	449 13
Lead Lined Iron Pipe Co., pipe	424 75
Norwood Engineering Co., hydrants	270 00
William R. Conrad, pipe inspection	88 01
Thomson Meter Co., meters	2,987 61
Neptune Meter Co., meters	425 50
Union Water Meter Co., meters	1,511 40
Hersey Meter Co., meters	861 87
National Meter Co., meters	802 15
Walworth Mfg. Co., fittings	149 39
Braman, Dow & Co., fittings	826 08
Sumner & Goodwin Co., fittings	188 30
H. Mueller Mfg. Co., fittings	123 85
Frederick W. Gow, fittings	111 60
Frank E. Fitts Mfg. & Supply Co., seals,	3 50
Brown-Wales Co., band iron	2 73
Osgood & Witherly, castings	312 61
Scrannage Brothers, castings	141 88
Somerville Iron Foundry, castings	54 25
Builders' Iron Foundry, castings	15 60
Eastern Salt Co., salt	12 75
Thomas Hollis Co., drugs	2 00
Milton H. Plummer, drugs	1 25
C. W. Lerner & Co., disinfectant	12 50
Boston & Maine Railroad Co., freight, etc.	325 76
Boston & Albany Railroad Co., track protection	2 20
Boston Elevated Railway Co., car tickets,	75 00
New England Oil Co., oil	74 93
Charles F. Giles, oil	75
D. A. McKay, soap	1 20
Globe Gas Light Co., gasoline	9 00
Peter Gray & Sons, lanterns	8 40
S. W. Fuller, lumber	286 04
W. W. Winship, handle	35
Brink & Buitekkan, board sign	1 25
Julian D'Este Co., pattern	50 20
Chapman & Soden, pitch	6 14
W. S. Burbank, sawdust	3 00
L. Ryan, sawdust	2 00
Amount carried forward	<hr/> \$41,864 88

Amount brought forward	\$41,864 88	
S. Armstrong & Co., empty barrel	1 25	
M. A. Simpson, sand	16 00	
Boston Woven Hose & Rubber Co., hose,	27 30	
Stoughton Rubber Co., hose	6 13	
Edson Mfg. Co., hose	70 03	
George Stevenson, service box	2 00	
Davis & Farnum Mfg. Co., water post tops	28 35	
Peck Brothers & Co., couplings	2 00	
Thomas Groom & Co., stationery	102 10	
A. C. Libbey & Sons, pens	1 00	
Somerville Journal Co., printing	378 20	
Wesley A. Maynard, printing	10 50	
Fire & Water Engineering Co., sub- scription	6 00	
Somerville Post-office, postage	20 00	
Charles Booth, wood	12 00	
F. A. Teele, wood	100 20	
New England Telephone & Telegraph Co., service	187 85	
W. A. Greenough & Co., directory	3 50	
Sprague & Hathaway Co., frame	40	
L. H. Truesdell, card	50	
Sanborn Map Co., map	65 00	
The Elliott Co., addressing machine and stencils	123 85	
Smith-Premier Typewriter Co., supplies,	2 90	
National Paint & Varnish Co., graphite	6 00	
The Carter's Ink Co., ink	1 13	
Fresh Pond Ice Co., ice	63 30	
Cambridge Ice Co., ice	19 75	
Winter-hill Ice Co., ice	22 20	
Jeremiah P. Hurley, claim	850 00	
John Tormey, claim	565 00	
F. L. Morse, M. D., services	35 00	
T. M. Durell, M. D., services	50 00	
Murphy Brothers, barges	20 00	
Edison Electric Illuminating Co., fan motor	6 00	
James Tevlin, use of team	29 25	
Harold L. Bond Co., packing	22 86	
Gilman Express Co., expressing	7 90	
E. R. Perham, expressing	70	
A. G. Renner, expressing	2 75	
American Express Co., expressing	4 25	
Fred M. Hutchinson, expressing	1 70	
	<hr/>	
	\$44,739 73	
Sewers Construction account, iron rails	93 00	
Sewers Maintenance account, bricks	34 76	
	<hr/>	
		<u>\$44,867 49</u>

Water Service Assessments.

CREDIT.

Receipts:—

Cash, received of sundry persons, cost of services laid	\$3,537 40
Transferred to Water Works Extension account	<u>3,537 40</u>

Water Works, Abatements on Water Charges.

CREDIT.		
Water Works Income, amount appropriated		\$982 91
DEBIT.		
Cash, paid sundry persons, money		
refunded	\$1,000 46	
	21 75	
		\$978 71
Metered Water Charges, water charges		
abated		4 20
		<u>\$982 91</u>

Water Works Extension.

CREDIT.		
Water Works Income, amount appropriated		\$15,000 00
Water Maintenance account, amount transferred		4,282 13
		<u>\$19,282 13</u>
Receipts:—		
Water Service Assessments, amount collected for services		
laid		3,537 40
Stock and labor billed other departments:—		
Highways, Watering Streets account		162 95
		<u>\$22,982 48</u>
DEBIT.		
(Expenditures.)		
Cash, paid laborers	\$7,047 28	
Water Maintenance account, stock	15,935 20	
		<u>\$22,982 48</u>

Water Works Income.

CREDIT.		
Metered Water Charges, last quarter 1904 uncollected		\$14,658 38
Receipts:—		
Commonwealth of Massachusetts, proportion of water receipts, 1904		820 31
Cash, received of sundry water takers		201,368 96
		<u>\$216,847 65</u>
DEBIT.		
Water Maintenance, amount		
appropriated	\$30,000 00	
	288 52	
		<u>\$29,711 48</u>
Fire Department, amount appropriated	\$43,000 00	
	8,938 67	
		<u>34,061 33</u>
Water Loan Interest, amount appropriated,	4,850 00	
Reduction of Funded Debt, Water Loan		
Bonds, amount appropriated	15,000 00	
		<u>\$83,622 81</u>
Amount carried forward		

Amount brought forward	\$83,622·81	
Reduction of Funded Debt, Sewer Loan Bonds, amount appropriated	11,000 00	
Water Works Extension, amount appropriated	15,000 00	
Water Works, Abatements on Water Charges, amount appropriated	982 91	
Interest (Sewer) account, amount appropriated	7,705 00	
Sewers Maintenance account, amount appropriated	11,800 00	
Commonwealth of Massachusetts (Metropolitan Water Assessment), amount appropriated	86,736 93	
		<u>\$216,847 65</u>

Table D. — Balances December 31, 1904.

Cash	\$73,743 56
Assessors	401 52
Commonwealth of Massachusetts	15,903 87
Contagious Disease Hospital	100 00
Election Expenses:—	
City Clerk	45 44
Registrars of Voters	23 38
Electrical Department	545 44
Fire Department	11,058 30
Health Department	7,087 21
Highway Betterment Assessments	2,305 44
Highways:—	
Maintenance	6,405 77
Paved Gutters and Crossings	2,062 41
Removing Brown-tail Moths	401 42
Shade Trees	41 35
Thorndike-street Subway	565 53
Watering Streets	40 71
Metered Water Charges	14,658 38
Military Aid	76 81
Overlay and Abatement	623 32
Police	12,573 79
Public Buildings Construction:—	
Addition to Bingham School	596 93
Engine House in Ward Two	1,717 37
Rifle Range in Waltham	193 21
Public Buildings Maintenance:—	
City Hall Annex	68 04
Fire Department	1,525 56
Health Department	34 81
Highways	25 20
Police	563 11
Public Grounds	142 22
Schoolhouses	9,369 75
Sewer Department	38 12
Support of Poor	69 81
Public Library, Isaac Pitman Investment Fund	5,000 00
Real Estate Liens	1,757 80
School Contingent	2,089 75
School Teachers' Salaries	1,080 68
Amount carried forward	<u>\$172,936 01</u>

Amount brought forward	\$172,936 01	
Sewer Assessments	6,271 17	
Sewers Maintenance	189 67	
Sidewalk Assessments	6,009 18	
Sidewalks Construction	2,825 45	
Sidewalks Maintenance	416 32	
Soldiers' Relief	903 10	
Support of Poor, Miscellaneous	2,101 92	
Taxes	249,886 45	
City Auditor		\$9 61
City Clerk		26 55
City Messenger		27 64
City Solicitor		88 39
City Treasurer		270 98
Contingent Fund		283 01
Coupons Unpaid		26,057 50
Election Expenses:—		
Commissioner Public Buildings		45 08
Pay of Election Officers		16 00
Executive Department		59 18
Fire Department, Combination Ladder Truck and Chemical Engine		2,500 00
Highways:—		
Construction		2,518 84
Paving Broadway, Bow and Summer Streets		8,136 02
Tree Guards		36 80
Inspection of Buildings		42 75
Interest		1,791 64
Overplus on Tax Sales		118 13
Printing and Stationery		858 34
Public Buildings Construction:—		
Dormitory at City Home		210 22
Primary School Building to relieve the Schools in Ward Six (George O. Proctor School)		24,414 80
Luther V. Bell School Fire Escapes		1,500 00
Public Buildings Maintenance:—		
Armory		800 00
City Hall		596 05
Public Library		1,978 11
Water Department		99 44
Public Grounds, Prospect Hill Park Completion		369 30
Public Library		23 33
Public Library, Isaac Pitman Fund, Art		4,000 00
Public Library, Isaac Pitman Fund, Poetry		1,000 00
Public Library, Isaac Pitman Fund, Income, Art		5 61
Public Library, Isaac Pitman Fund, Income, Poetry		4 23
Reduction of Funded Debt		5,041 25
Sealer of Weights and Measures		37 59
Sewers Construction		6,747 08
Street Lights		114 96
Sundry Persons		524 21
Support of Poor, City Home		1,186 63
Temporary Loans		350,000 00
	<u>\$441,539 27</u>	<u>\$441,539 27</u>

APPROVAL OF TREASURER'S REPORT.

In Committee on Finance, February 3, 1905.

To the Board of Aldermen of Somerville:—

The committee on finance, to which was referred the report of the treasurer and collector of taxes for the year 1904, reports that, in conjunction with the auditor, it has examined and audited the books and accounts of the treasurer and collector of taxes for the year ending December 31, 1904, and in the manner prescribed by section 7 of chapter 4 of the Revised Ordinances of 1900.

A careful comparison has been made with the books of the city auditor and with financial statements received from the several committees, boards, and officers of the city accountable for the use of the city funds.

The cash account has been verified by actual count of the cash on hand, and the balances shown to be in the banks of deposit have been confirmed by the officials of the banks.

The committee reports that no errors were discovered in the accounts and books of the treasurer and collector, and recommends that his report be accepted and printed in the annual reports of 1904.

JOHN J. HIGGINS,	}	<i>Committee</i>	
W. F. BARKER,			
WILLIAM A. FLAHERTY,		<i>on</i>	
WALTER A. DOW,			
E. H. SPAULDING,			<i>Finance.</i>
SIDNEY B. KEENE,			
F. D. WILKINS,			

In Board of Aldermen, February 9, 1905. Accepted.

FREDERIC W. COOK, Assistant City Clerk.

REPORT OF THE SCHOOL COMMITTEE.

School Committee Rooms, December 23, 1904.

Ordered, that the annual report of the Superintendent be adopted as the annual report of the Board of School Committee, it being understood that such adoption does not commit the Board to the opinions or recommendations made therein; that it be incorporated in the reports of the City Officers; and that 1,000 copies be printed separately.

G. A. SOUTHWORTH,
Secretary of School Board.

SCHOOL COMMITTEE, 1904.

FREDERICK A. P. FISKE,	.	.	.	.	.	.	Chairman
DANA W. BENNETT,	.	.	.	.	.	.	Vice-Chairman

Members.

		Term expires January.
	WARD ONE.	
GEORGE S. POOLE,	46 Mt. Vernon street.	1905
HENRY F. CURTIS,	145 Perkins street.	1906
	WARD TWO.	
EDWARD J. FLYNN,	273 Washington street.	1905
DANIEL H. BRADLEY,	19 Concord avenue.	1906
	WARD THREE.	
DANA W. BENNETT,	41 Putnam street.	1905
GEORGE E. WHITAKER,	75 Walnut street.	1906
	WARD FOUR.	
WILLIAM P. JONES,	13-A Maple avenue.	1905
GEORGE ^{W.} W. WHITING,	282 Broadway.	1906
	WARD FIVE.	
J. WALTER SANBORN,	183 Central street.	1905
QUINCY E. DICKERMAN,	85 Central street.	1906
	WARD SIX.	
CHARLES H. HOOD,	2 Benton road.	1905
FREDERICK A. P. FISKE,	44 Cherry street.	1906
	WARD SEVEN.	
HENRIETTA B. H. ATTWOOD,	18 Herbert street.	1905
GEORGE C. MAHONEY,	415 Highland avenue.	1906

The Committee holds its regular meetings on the last Monday evening of each month, except July, August, and December, at 8.15 o'clock. The last meeting of the year is held on the Friday next preceding the first Monday of January.

Superintendent of Schools,

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.

Residence: 40 Greenville street.

The Superintendent's office will be open from 8 to 12 and from 1.30 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Cora S. Fitch, Superintendent's clerk, 82 Munroe street.

STANDING COMMITTEES, 1904.

High Schools.—Whiting, Poole, Flynn, Bennett, Dickerman, Fiske, Mahoney.

LATIN, ENGLISH.

District (or Ward) I.—Poole, Curtis.

PRESCOTT, HANSCOM, DAVIS, BENNETT.

District (or Ward) II.—Flynn, Bradley.

KNAPP, PERRY, BAXTER.

District (or Ward) III.—Bennett, Whitaker.

POPE, BELL, CUMMINGS.

District (or Ward) IV.—Jones, Whiting.

EDGERLY, GLINES.

District (or Ward) V.—Sanborn, Dickerman.

FORSTER, BINGHAM.

District (or Ward) VI.—Hood, Fiske.

CARR, MORSE, DURELL, BURNS, BROWN.

District (or Ward) VII.—Mrs. Attwood, Mahoney.

HIGHLAND, HODGKINS, LINCOLN, LOWE.

Additional School Accommodations.—Hood, Poole, Bradley, Bennett, Jones, Dickerman, Mahoney.

Evening Schools.—Dickerman, Bennett, Fiske.

Finance.—Bennett, Sanborn, Hood.

Industrial Education.—Curtis, Whitaker, Mrs. Attwood.

Music.—Whitaker, Poole, Mrs. Attwood.

Private Schools.—Bradley, Hood, Whiting.

Repairs of School Buildings.—Mahoney, Bradley, Jones.

Rules and Regulations.—Jones, Curtis, Fiske.

Salaries.—Poole, Whiting, Sanborn.

Supplies.—Sanborn, Whitaker, Hood.

Text-books and Courses of Study.—Flynn, Curtis, Whitaker, Jones, Sanborn, Fiske, Mrs. Attwood.

Vacation Schools.—Mrs. Attwood, Flynn, Dickerman.

Note.—The member first named is chairman.

REPORT OF THE SUPERINTENDENT OF SCHOOLS.

To the School Committee of Somerville:—

In the preparation of the record of the thirty-third year of the school life of the city of Somerville, the general plan followed in previous years has been adopted. It is (1) the annual report of the superintendent to the school committee; (2) custom makes it the report of the school board to their fellow-citizens which the law requires that body to make annually; and (3) it is the school history of the year, and records many facts which should be permanently available for future reference. That there may be a comprehensive view of salient points, there is first given a

Summary of Statistics.

United States census, 1890.....	40,117
State census, 1895.....	52,200
United States census, 1900.....	61,643
Estimated population, 1904, on the basis of assessed polls.....	69,213
Estimated population, 1904, on the basis of membership in December	70,088
Children between five and fifteen years of age, October, 1903	11,627
Children between five and fifteen years of age, October, 1904	11,941
Increase	314

2.—SCHOOL BUILDINGS.

	1903.	1904.	Increase.
Number of school buildings.....	25	25	0
Number of classrooms.....	240	248	8
Valuation of school property.....		\$1,324,480	

3.—TEACHERS.

	1903.	1904.	Increase.
In high schools.....	46	48	2
In grammar schools.....	147	152	5
In primary schools.....	98	97	—1
In kindergartens	8	8	0
Total in elementary schools.....	253	257	4
Special	7	7	0
Total	306	312	6

4.—ATTENDANCE FOR YEAR.

	1903.	1904.	Increase.
Entire enrollment for the year.....	13,475	13,804	329
Average number belonging.....	10,719	11,094	375
Average number attending.....	10,056	10,422	366
Per cent. of daily attendance.....	93.9	93.9	0
High school graduates.....	181	179	—2
Grammar school graduates.....	484	512	28

5.—ATTENDANCE IN DECEMBER.

	1903.	1904.	Increase.
Whole number attending.....	13,065	13,506	441
In private schools.....	1,708	1,719	11
In public schools.....	11,357	11,787	430
In high schools.....	1,157	1,233	76
In elementary schools.....	10,000	10,357	357
In kindergarten.....	200	197	—3
In first grade.....	1,651	1,586	—65
In second grade.....	1,349	1,424	75
In third grade.....	1,270	1,279	9
In fourth grade.....	1,182	1,267	85
In fifth grade.....	1,155	1,203	48
In sixth grade.....	1,134	1,114	—20
In seventh grade.....	964	1,003	39
In eighth grade.....	751	851	100
In ninth grade.....	544	630	86

6.—COST OF SCHOOL MAINTENANCE.

	1903.	1904.	Increase.
Salaries of teachers.....	\$238,163.61	\$250,580.68	\$12,417.07
Salaries of officers.....	4,800.00	4,900.00	100.00
Cost of books and supplies...	20,872.70	21,411.25	538.55
Cost of light.....	2,015.30	1,435.70	—579.60
Cost of janitors' services....	21,041.74	22,024.21	982.47
Cost of fuel.....	18,052.46	15,315.30	—2,737.16
Telephones		236.60	236.60
Total cost of day and evening schools	304,945.81	315,903.74	10,957.93
Per capita cost.....	28.46	28.48	.02
Cost of high school instruction	52,432.91	54,653.17	2,220.26
Per capita cost.....	47.28	47.20	—0.08

7.—MISCELLANEOUS.

	1903.	1904.	Increase.
Paid for new school buildings	\$59,822.15	\$23,703.11	—\$36,119.04
Repairs and permanent improvements	12,260.90	18,208.97	5,948.07
Total school expenditures	377,028.86	357,815.82	—19,213.04
Valuation of city.....	56,981,360.00	58,053,700.00	1,075,340.00
Per cent. of valuation spent to maintain schools	0.535	0.544	0.009
Per cent. of valuation spent for all school purposes	0.661	0.616	—0.045

Existing Accommodations. The 12,000 public school pupils are at present housed in twenty-five school buildings. Of the two high schoolhouses and their 1,250 occupants, something will be said under the head of "High Schools." The elementary school pupils occupy twenty-three buildings,



BINGHAM SCHOOL.

One containing eighteen classrooms.
One containing sixteen classrooms.
One containing fourteen classrooms.
One containing thirteen classrooms.
Eight containing twelve classrooms each.
Two containing eight classrooms each.
Four containing six classrooms each.
Four containing four classrooms each,

making a total of 213 regular classrooms, which will accommodate 9,800 pupils as classes average throughout the city. Besides these classrooms, there are at the present time six other rooms in use. Two of them are ward rooms, one in the Knapp and one in the Glines. Three originally designed for recitation rooms are in the Carr building; two of them hold twenty-four pupils each, and thirty-five are crowded into the third room. To accommodate the surplus ninth-grade pupils in the Hodgkins school, during the summer vacation a new room was made by combining a teachers' room with a portion of the corridor. Twenty-four pupils are crowded into this room. These six rooms to which reference has been made are by no means wholly unsuitable for school uses. They were not intended, however, for classrooms, and most of them are too small to accommodate the number of pupils generally assigned to a classroom, and are therefore abnormally expensive. But adding to the capacity of the legitimate classrooms the 200 seats furnished by these smaller rooms, we have a seating capacity of 10,000 for the elementary schools.

Eight of these classrooms are used by two divisions of first-grade pupils, one attending in the forenoon, and the other in the afternoon. Six additional schoolrooms are required for these half-time pupils. There are at present two rooms in the Lincoln school containing 120 pupils. A portion of these children might be sent to the ward room in the Hodgkins school, a room belonging to the same class as those just described.

The twelfth room in the Bennett school in ward one was occupied in September. This proves that the apprehension that too large a building was being constructed had really no foundation. Financial limitations have probably prevented the erection of schoolhouses large enough to supply anything but the pressing needs of the time. A wise economy foresees prospective requirements, and lessens net expenditures by building for the future.

The addition of eight rooms to the Bingham school was completed and occupied in March. This addition doubles the capacity of the building, and furnishes sixteen excellent classrooms, fully equipped and conveniently arranged. Seventy-five children were transferred to this school from the Brown, and it was found necessary in September to send forty sixth-grade pupils out of the Bingham district to the Forster, in order to make room in the former building.

The original Bingham schoolhouse was erected in 1887. Its capacity was doubled in 1893. The cost of the entire structure is as follows:—

Cost of original lot.....	\$1,880.64	
Cost of original building.....	13,224.36	
		<hr/>
Total cost.....		\$15,105.00
Cost of the first enlargement.....		14,916.87
Cost of additional land, 1903-1904.....	\$4,994.73	
Cost of building.....	31,415.82	
		<hr/>
Total cost of second enlargement.....		36,410.55
		<hr/>
Total cost of the building as it now stands.....		\$66,432.42

In accordance with the recommendation of the board for the relief of the schools in ward six, the construction of an eight-room building on Hudson street, in the rear of the armory, was begun October 1. It will be completed and ready for occupancy in September, 1905.

Length of School Year. By an amendment to the rules, the time of opening schools in September and of closing them in June may vary from year to year, as determined by vote of the board at its February meeting. In 1904, the time of closing the schools for the summer vacation was fixed at noon of Friday, June 24, and the fall term began Wednesday, September 7. This made the length of the school year in 1904 theoretically 385 school sessions, or thirty-eight and one-half weeks. Deducting five legal holidays, four and one-half days lost on account of weather, and one and one-half days at the Thanksgiving recess, the actual number of school sessions is reduced to 363, 36.3 weeks. In other words, the schools have been in session this year 181½ days. When it is remembered that the schools have been in session on less than one-half of the full number of days in the year, that the school day is but four and three-quarters hours long, that there are two holidays every week, and three vacations of a week each, aside from the long vacation, distributed throughout the year, it must be conceded that the normal strain imposed upon children by their school life is not sufficient to occasion any alarm. In view of the necessary shortness of the school year, it is important that interruptions of every sort be reduced to the minimum, and that there should be the utmost economy of time on the part of every teacher.

The year has been unusually free from interruptions. The only loss of time that might possibly have been avoided has been occasioned by the dismissals of classes on account of cold rooms. There have been sixty-five class dismissals during the year for this reason. Besides, twelve class sessions have been lost through the use of schoolrooms as voting booths.

The statutes require that the high school year shall be forty weeks in length. It is difficult, if not impossible, to continue the

high school sessions beyond those of the elementary schools. This could only be done by omitting one week of vacation between January and July, and prolonging the high school term to the very last day of June. This, however, would produce an undesirable lack of uniformity, and would be a very unpopular measure. Nothing remains except to make the thirty-eight-week year equivalent to one of forty weeks by an intensive use of its opportunities. The table below shows the

Length of School Year.

Four weeks ending	Possible Sessions	Actual Sessions	Omitted Sessions.
January 29	40	34	Excessive cold, 4; storm, 2
February 26	40	37	Storm, 1; Washington's Birthday, 2
April 1	40	40	
April 29	40	37	Storm, 1; Patriots' Day, 2
June 3	40	38	Memorial Day, 2
June 24*	29	27	Bunker Hill Day, 2
September 30	36	35	Storm, 1
October 28	40	40	
November 25	40	35	Thanksgiving recess, 5
December 23	40	40	
	385	363	

*3 weeks.

School Population. There are two ways of ascertaining the number of children of school age in the city. The first is by the school census, authorized by statute to be taken between the first of September and the fifteenth of November of each year. The second way is by counting the children actually in school, and adding to this number the children found by census takers to be out of school for one reason or another.

We have this year a conspicuous illustration of the inaccuracy of census returns. Although, with one exception, the same enumerators were employed this year as last, the returns, as shown in the following table, indicate a decrease of 114 in the number of school children between five and fifteen years of age on the first of October, 1904. At that time there were actually in public and private schools 11,941 children, or 314 more than were present on the corresponding date in 1903:—

	1904.	1903.	Change.
Ward 1.....	1,866	1,780	+86
“ 2.....	2,546	2,533	+13
“ 3.....	975	947	+28
“ 4.....	926	1,006	—80
“ 5.....	1,869	1,881	—12
“ 6.....	1,710	1,875	—165
“ 7.....	1,416	1,400	+16
Total	11,308	11,422	—114

According to enumerators, wards four, five, and six showed a decrease of 257 children. It is apparent to every one conversant with those wards that such cannot possibly be the case. Indeed, the numbers in the schools show the incorrectness of the returns.

The state census is not worth to the city the money it costs. It discloses the children that are out of school, now and then discovers one at work who ought to be in school, and reveals a few illiterate minors, who, under the law, are forced to attend the evening schools. Regarding the class of illiterate minors, however, it may be said that most of them are fourteen years of age or upwards, and are employed in manufacturing establishments. A thorough canvass is made in the month of September of all establishments employing illiterate minors, their names taken, and attendance upon the evening schools enforced.

Additional Accommodations. In view of the long-continued discussion regarding high school needs, it may be wondered that the subject should be mentioned in this report. The exigencies, however, are so great and the need of some immediate action so urgent that it is well that the facts should be put afresh before the public.

There are at the present time in the Latin school 422 pupils to occupy its 437 seats. Something, however, besides a requisite number of seats is demanded to make an efficient school. There must be as many suitable rooms as there ought to be instructors in the teaching corps. There are thirteen teachers in the school. This number is determined by the fact that there are only thirteen rooms in which instruction can be given. Two of these are unsuitable makeshifts, used only under the strain of necessity. This limitation in the number of teachers places an average of thirty-two pupils under the instruction of one teacher. This number is exceptionally large. In most schools, and in all the best schools, twenty-five is considered a suitable class unit. Taking this number as a standard, the Latin school should have sixteen teachers besides its principal, and sixteen suitable rooms for them to use. If these rooms were provided, much would be done to increase the efficiency of the school, but by no means would all the requirements of the case be met. What more is needed will be considered farther on.

In the English school there are now registered 811 pupils. Originally constructed for the accommodation of 600, it is only by utilizing every available foot of space that seating accommodations have been provided for such a large number. During the vacation one room was partitioned, thus providing an extra classroom. Many of the seats in the classrooms were taken up and placed end to end, reducing the number of aisles in the ratio of three to two. Desks were put into every available corner, and these seats, with those in the lecture hall, the physical laboratory, and the biological laboratory, have enabled us to find seat-

ing room for nearly all the pupils in attendance. At the opening of the year an overflow of a dozen pupils, more or less, were seated at the tables in the library. But, as has been already said, the number of seats in a high school building is no measure of its capacity. Provision must be made for suitable recitation rooms, as well as classrooms. With this in mind, the congested conditions become apparent. There are thirty-three teachers in the English High school corps. Including the laboratories, lecture room, and manual training rooms in the basement, twenty-six teachers are provided with rooms in which to instruct classes. To provide room for other teachers, three ends of corridors have been curtained off, three narrow dressing-rooms have been furnished with chairs, and two small, unventilated storerooms have been converted into so-called recitation rooms. Under such unfavorable conditions, it is impossible for the school to work either efficiently or economically. Larger classes, and consequently fewer of them, might be formed if these improvised recitation rooms could be replaced by suitable ones.

In the discussion of plans for the relief of our crowded high schools there should be a clear understanding not only of present conditions, but of prospective requirements. The development of high schools and the increase in their attendance is the educational marvel of the last decade. Our own high schools have practically doubled within this time.

When the high school was divided in 1895, the example of other cities was followed. Under the name of Latin and English schools, the specific work of each division was carefully assigned. By vote of the school board, the Latin school was made distinctively the preparatory school for college. Its course of study was determined by college requirements. The English school was made a general high school, to which were assigned students preparing for technical or normal schools, together with all those whose school life was to end upon graduation from the high school. Since then, however, the requirements for admission to college have materially changed. Greek is no longer insisted upon. French, German, mathematics, science, music, etc., may be substituted instead. This change in college requirements is gradually obliterating the distinction between classical and so-called English schools. Both are fitting for college. The distinction between them will soon become effaced. There is nothing to prevent our English High school from fitting its students to enter any college with its present teaching force, and without materially changing its curriculum.

In the development of high schools throughout the country to meet the demands of the public, three types of school are being evolved. There is first what may be called the literary high school, in which preparation for college or education along purely literary or linguistic lines may be furnished. There is, secondly, the manual training or technical high school, in which

training for scientific or industrial pursuits is given. The third type is the commercial high school, in which training for all forms of business is furnished. These three types of school have come to stay. Manual training as applied in schools long since passed the experimental stage. It is now considered an integral part of every well-ordered school system. So, too, in every large city, at least, the commercial side of high school education is becoming more and more emphasized, in order to meet the new demands for thoroughly trained young men and young women in all kinds of business.

Already several cities have established separate schools independently housed for these three lines of work. It will not be many years before their example will be generally followed. In our own city one of our high schools is distinctively a literary school. The English school, however, combines all the three types of school here outlined. It is an industrial or technical school, a commercial or business school, and a literary or "finishing" school.

These three kinds of school have many things in common. A number of subjects must of necessity be taught in each school. The graduates of each of them must be trained in English, in history, to some extent in mathematics, in modern languages, in science. A certain degree of attainment and intelligence in all these subjects is demanded in the commercial and industrial world, as well as elsewhere.

Here, then, is the problem before the school board and the city government of Somerville. How shall we best utilize the two small high school buildings in providing accommodations for three distinct schools or departments of unequal numbers, but aggregating at least 1,600 pupils?

Before any decision is reached regarding additional high school accommodations, the whole situation should be thoroughly canvassed, and the needs of the future, as well as the present, be determined and provided for as nearly as possible. Among the things to be avoided are the following:—

(1) Three separate schools with different administrative heads, for unity of structure and administration secures the minimum of outlay and the maximum of efficiency.

(2) There should be no unnecessary duplication of departments,—one chemical laboratory, a single physical laboratory, one biological laboratory, one reference library, one gymnasium for boys and one for girls, with their expensive equipments, will be amply sufficient.

On the positive side: (1) Strenuous efforts should be made to retain the present central location, for to each department of the school will come students from all parts of the city.

(2) New rooms for the manual training department are absolutely necessary. The present English building was erected at about the time when manual training in high schools was made

obligatory. In planning the building, no reference was had to this department. The basement rooms were utilized for lack of anything better. They have never been and never will be satisfactory, particularly at some seasons of the year. More commodious rooms above ground, and an additional room for extensions of the work should be provided.

(3) Provision should be made for the comfortable housing of at least 1,600 students, with every convenience for physical as well as scholastic training.

The general plan of enlargement that has met with most favor, and which is known as "Comprehensive Plan No. 3," can be made to secure all that is desirable. Another building to the east of the Latin school to match the English building may be connected with the latter by a large central structure. Here, accessible to both of the wing buildings, can be placed all laboratories, libraries, lecture halls, and assembly rooms that are to be used in common by all departments. In the central structure, also, can be placed rooms for the manual training department and gymnasiums, and whatever other rooms may be needed. Ultimately the present Latin building would be removed. As finally completed, the new plan would be harmonious in its architecture, admirably located, an honor to the city, and an inspiration to its youth. Built for the future as well as for the present, there is no reason why a portion of the expenditure should not fall upon our successors. There may be difference of opinion as to where the work of enlargement should begin. It seems natural, however, to relieve the most urgent needs at the outset.

Additional Accommodations, Elementary Schools. In what may be said on this subject, it must be understood that wards are mentioned simply as a convenient way of designating certain portions of the city. The schools of no ward can be considered independently of those of other wards. School buildings have been located without reference to ward lines, and in considering school interests, these lines should be obliterated, and the welfare of the schools and the convenience of the public chiefly considered. All our schools are city schools, not ward schools. Provision for their needs is made without discrimination, and they are under the rules and the management of the school board except in so far as that body sees fit to delegate its authority to others.

I. The interests of *wards one and four* in the easterly section of the city must be considered together. Here are four schools so interrelated that they cannot be separately considered. Two are primary schools, which are alike feeders of the two large grammar schools, the Prescott and the Edgerly. Ever since their establishment, there has been an interchanging of pupils among these schools whenever the numbers or the necessities of classification rendered it desirable. In the report of last year, it was recommended that the needs of this section would be best met by the addition of two rooms to the Hanscom school. There

has been no change of conditions to render this recommendation unwise. One hundred and fifty pupils are on half time in the Prescott and Edgerly schools. They would be accommodated without inconvenience in the proposed enlargement. When the Hanscom school was planned, it was distinctly understood that when necessary, it was to be enlarged by the addition of two rooms on the southeasterly corner. This change could be made with comparatively little expense.

There are other considerations, however, that affect this question. There are some primary pupils all over the city that are obliged to travel unduly long distances to reach their schools. This is notably true of some children in the Glines school. This building was located to accommodate what at the time appeared to be a rapidly-growing section of the city lying northeast of Broadway. The district, however, has not been developed as expected. Children have been sent to this school from the extreme northwestern portion of ward five, more than half a mile away. So, too, some children living near the intersection of Walnut and Pearl streets have been obliged to travel a half-mile to reach their school. This distance in the case of grammar school pupils is not worth mentioning, but for children of the three lowest grades at certain seasons of the year it should be avoided, if possible. For the accommodation of this latter class, in two of my reports, the recommendation was made that a primary schoolhouse be built on Walnut street, near the corner of Veazie. I have also twice recommended the construction of a primary schoolhouse to accommodate pupils in the vicinity of Moreland street. In the straitened condition of city finances, however, it is too much to expect that new schoolhouses will be built, when there is room in existing buildings to accommodate pupils, even though they are subjected to considerable inconvenience to reach them. Hence we have continued to send children to the Glines school. The crowded condition of the Edgerly school in September compelled the transfer of more primary children from this district to the Glines school. This change furnished the basis for a petition recently presented to the school board, remonstrating against this action, and asking that a schoolhouse be built near the corner of Walnut and Pearl streets for the accommodation of primary children in the immediate vicinity. This request is a reasonable one, and the question of granting it is largely one of finance. The enlargement of the Hanscom school would relieve crowded conditions at the Edgerly, and enable us to send most of the pupils in the not-well-accommodated district to that school. By this plan, however, the distance that some pupils would have to travel would not be materially lessened. A careful analysis of the situation shows that a four-room building containing the lowest four grades, and located as suggested, could be filled by taking all pupils living within the territory bounded by Cross, Pearl, Dana, Bonair, Walter, Marshall streets and the Boston & Maine

railroad. To do this, sixty pupils would be taken from the Edgerly, fifty from the Glines, thirty-five from the Hanscom, twenty from the Davis, and seven from the Bell school. The pupils taken from the Glines could not be replaced, and one room would probably be vacated in that building. It is probable, however, that the loss thus caused in the Edgerly and Hanscom schools could be made good by transfers from the Prescott. The Davis and Bell schools would not be materially affected by the change. A new building in this locality would, of course, be a substitute for the enlargement of the Hanscom school. The question seems to be one of public convenience versus the financial interests of the city.

To confirm what has been said about the necessity of disregarding ward lines in the assignment of pupils, it may be said that there are now 1,700 children in the city attending schools outside of the wards in which they reside. To give a specific illustration: There are 202 pupils living in ward four who now attend schools in wards one, three, or five. There are besides 104 ward-one children in the Edgerly, and 248 ward-five children in the Glines school.

Wards two and three seem to be amply supplied with school accommodations at present.

In *ward five* there will probably need to be transfers in September from the Bingham to the Forster school, and possibly a resort to the renewed use of the basement rooms in the latter building. At the Bingham school one room is emptied and two are filled each year. Naturally some pupils will be crowded out.

The immediate needs of *ward six* will be met by the completion of the Hudson-street schoolhouse. This building will be filled in September by the transfer of two classes from the Burns, three from the Morse, and one each from the Brown, Carr, and Forster. This will involve the reassignment of nearly 400 pupils, and will change the classification in several of the schools.

While this is being done, I recommend that the Burns school be made a ninth-grade grammar school, under the charge of a master. This school is midway between the Morse and the Highland. There are numbers of seventh, eighth, and ninth grade pupils that are now sent past the Burns school to the latter. It will be a great convenience to them to be housed nearer their homes. Moreover, the schools of this district contain more than twice as many pupils as several of the other districts. In order to secure to them the same advantages afforded other parts of the city, there should be at least three masters employed. Some masters in the city have but thirty-five pupils in the ninth grade, while others have from fifty to a hundred. Without entering into any discussion as to the relative value of instruction by men as compared with that given by women, it will be readily admitted that those persons to whom we pay nearly three times as much as women engaged in the elementary

schools receive, are capable of giving the very best instruction. It is not possible probably to give all pupils an equal amount of this expert teaching, but an attempt should be made to equalize the privileges of our ninth-grade pupils as far as feasible.

The recommendation that four rooms be added to the Brown school is renewed. This school is located in the centre of a section of the city that is being rapidly filled, the children of which have no other school accommodations.

The schools of *ward seven* are all full at the present time. One of them, indeed, is crowded in such a way as seriously to interfere with the interests of the pupils. A plan of relief readily available has not yet been adopted. There must be additional schoolrooms furnished in this ward at an early day. The section in the vicinity of Clarendon Hill is being rapidly developed. The Lincoln school is centrally located, and if its capacity could be doubled, it would afford the relief needed. This is a wooden building, however, and its enlargement on that account is objectionable. In the Hodgkins school there is a class of part-time pupils. Room should be made in this building for primary pupils that now crowd the Lowe school. Moreover, it must be the grammar school centre for all of that part of the city lying west of College avenue for years to come. I recommend that this building be enlarged by the addition of six rooms. This can be readily done, so the architect who superintended its construction informs me, by raising the present structure. This enlargement can be made for \$5,000 less than the expense involved in erecting a separate schoolhouse of six rooms. It will much improve the appearance of the present building architecturally, and will provide for present and prospective needs. Should this addition seem inexpedient, a new six-room building should be erected very near the Hodgkins school. In any event, the lot on which that building stands should be enlarged by the purchase of as much land as the city can afford, now available at the north of the building. Indeed, if all the open land to Broadway could be utilized as a park and playground, it would be a valuable improvement.

School Attendance. During 1904, 13,804 different pupils have been enrolled in the city. Not all of these pupils have been connected with the schools at one time. According to the rules of the State Department of Education, a pupil's membership is terminated (1) by death; (2) by removal; (3) by withdrawal with no intention of returning; and (4) by ten consecutive days' absence, from whatever cause. Excluding from the enrollment lists names dropped either permanently or temporarily for any of these reasons, we reach the average membership of the schools, which for 1904 is 11,094, an increase for the year of 375. This average membership is important because it furnishes the basis for estimating the per capita cost.

As showing the changes in membership that are constantly occurring, the following facts are interesting:—

Number entering from schools outside the city.....	1,310
Number entering first grade.....	1,366
Number that were graduated.....	691
Number of transfers from one school to another in the city,	1,952

The average attendance of the schools is determined by taking into account all absences from whatever cause during the period of membership. It shows the number of pupils who are in school, on the average, every day of the school year. The average attendance for 1904 is 10,422, an increase over last year of 366. The average attendance is 93.9 per cent. of the average membership, showing a loss of 6.1 per cent. occasioned by illness or other causes, in most cases providential or unavoidable.

During the year there have been 3,887 cases of tardiness, which shows one instance of being behind time out of 1,009 chances of being prompt. As compared with other cities, and, indeed, with our own past records, this number is not large. Nevertheless, the responsibility for tardiness rests upon parents generally, and much of it is avoidable. Teachers use all legitimate means to secure regularity of attendance, and sometimes, in their zeal, bring influences to bear that are not wholly justifiable.

In 1904 there have been 2,173 instances of parents requesting the dismissal of their children from school before the close of the session, one case in 1,805 opportunities.

There have been 293 cases of corporal punishment in the elementary schools, a number surprisingly small, when all circumstances are taken into account. One hundred twelve of the 232 teachers in these schools have not resorted to it in a single instance. One building reports no cases, and two others but one each. We have to go back but a few years to note the difference in methods of school management which these facts indicate.

On the fifteenth of December, the number of pupils in the schools was as follows:—

	1904.	1903.	Increase.
In the Latin school.....	422	406	16
In the English school.....	811	751	60
In the elementary schools.....	10,357	10,000	357
In the kindergartens.....	197	200	—3
A total of	11,787	11,357	430

Adding to this number the 1,719 pupils in private schools, we have 13,506 school children in the city.

Truancy. It is a pleasure to record a decrease in this evil during the year. It is probably due to the fact that the telephones enable principals to give immediate notice to the truant officer, who loses no time in investigating the case.

The following is the year's record:—

	1903.	1904.	Decrease.
Number of visits to schools.....	525	429	96
Number of cases investigated.....	521	387	134
Number found to be truants.....	152	146	6
Number sent to truant school.....	9	5	4
Paid for board of truants.....	\$629.29	\$245.84	\$383.45

Teachers. There are employed at the present time 312 teachers, twenty-seven of whom are men. This is exclusive of fifty-six now employed in the evening schools.

During the year 1904 seventeen teachers have tendered their resignations. Of these, ten have been drawn away by matrimonial allurements, three are teaching elsewhere for larger salaries, and the remaining four have relinquished teaching for other pursuits. Five of these teachers have served the city faithfully for ten years or more; the average length of service of the remaining eleven was two years, two months.

During the year twenty-nine new teachers have been elected, nineteen to fill positions made vacant by resignations, and ten to serve in new positions in high or grammar schools. All of these teachers have been professionally trained, and nearly all have had their ability to teach successfully developed and tested by years of experience along the very lines of work in which they are now engaged. One-third of these teachers are residents of Somerville and graduates of our schools. There is some advantage in a teacher's school life being spent in good schools with high standards of discipline and method. The inexperienced teacher can do nothing but reproduce the school of her own childhood. Birth, residence, and even education in Somerville, however, do not necessarily make good teachers. Academic education must be supplemented by professional training and experience. In the selection of new teachers, other things being equal, preference is given to our own residents, but the great majority of the people of Somerville demand the best teachers to be found for our relatively large salaries, irrespective of other considerations. In every community there is a small class who are interested in individual teachers and in securing them employment. A far larger class, patrons of the schools, feel that the educational interests of their children and the success of the schools transcend in importance the interests of a few individuals. In all cities the former class are the greatest menace to the public schools, for schools are ruined and money wasted when teachers are incompetent. The schools of some cities have already been safeguarded by being placed beyond the reach of unfavorable local influences by state enactments.

In teachers' agencies, teachers are "quoted at their market value." Such remarks as the following are often heard: "Miss A is a four-hundred-dollar teacher"; "Miss B is a five-hundred-dollar teacher"; "Miss C is a six-hundred-dollar teacher"; "Miss D is a seven-hundred-dollar teacher,—you can't move her with your salary." Our own salary schedule establishes a similar

monetary standard of value, based on the belief that the longer the experience the more valuable the service. We consider an inexperienced teacher, though professionally trained, worth only \$400 a year, and it is assumed that each year adds twenty-five per cent. to the worth of her instruction until she reaches a maximum value of \$650. While it is not always safe to rely implicitly on this assumption, it is generally correct.

This principle is recognized, and guides in other professions and pursuits. No one commits a case involving important interests to an inexperienced lawyer. The best legal talent available for the money is invariably employed. When the children are ill and their bodily interests at stake, parents do not send around the corner for the young physician who has just received his diploma because "he needs practice," and "must support himself," and "charges less." On the contrary, the call is for the man whose years of experience have given him skill to do the right thing in every emergency. Experience not only develops power, but often discloses native weaknesses that cannot be outgrown or overcome, and that unfit one for the best work. High standards have been set up by the demands of modern schools. Rightly to control, to guide, to develop the intellectual life and the character of the young has grown to be a profession demanding high moral character, perfect self-control, strong personality, proficiency in methods of instruction, scholastic attainment, mature judgment, refinement of manner, sympathy with children, and the knack of doing the right thing at the right time that is acquired only by experience. Teachers possessing these qualities were never in greater demand, and never commanded the salaries that are now gladly paid for the best service.

Latin School. The Latin school now contains 422 pupils, as compared with 406 registered a year ago. These are divided among the classes as follows:—

	1903.	1904.	Change.
Senior	84	81	—3
Junior	95	93	—2
Sophomore	106	112	+6
Freshman	121	136	+15

There have been two changes in the teaching force of this school. Florence H. Paul and A. Florence Moulton have been replaced by Miriam Thayer, of Braintree, a graduate of Wellesley, and Frederick C. Hosmer, Harvard. Five of the thirteen teachers in the school are men. The school graduated seventy-three, forty-four of whom have entered college.

The work of this school is largely that of fitting students to enter college. During its separate existence, fifty-seven and one-half per cent. of its graduates have entered college. The work of the school is circumscribed and determined by college requirements. Close and strenuous application is needed to accomplish what is demanded in the period of four years. Indeed, this time has for many years been actually extended by an addition of sev-

eral hours each week in afternoon instruction in physics. The school has an established reputation as one of the best fitting schools in New England. Its graduates enter higher institutions without conditions, maintain high rank, and reflect great credit on the efficient principal and instructors of the school.

The needs of the school in the way of improved facilities have been set forth elsewhere.

The following shows the numbers pursuing each branch of study:—

English	422	French	100
History	232	German	159
Mathematics	422	Greek	111
Physics	46	Drawing	16
Latin	418	Chemistry	3

Students taking the last two subjects receive their instruction in the English building. The work of the two schools might be co-ordinated in other ways if all conditions were favorable.

The pupils enter this school with a distinct and definite purpose. There is behind them the spur of necessity to stimulate attendance and continuance in the school. The following table shows that the loss in classes from year to year is relatively small:—

TABLE SHOWING LOSSES OF CLASSES IN LATIN HIGH SCHOOL EACH YEAR SINCE 1896.

MEMBERSHIP.	Class of 1899.	Class of 1900.	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905.	Class of 1906.	Class of 1907.	Class of 1908.
December 15, 1st year .	...	79	89	77	64	103	111	125	121	136
“ 2nd “ .	67	67	80	73	47	93	97	106	112	...
“ 3rd “ .	63	57	64	64	49	88	95	93	...	...
“ 4th “ .	57	53	65	62	60	84	81	...	...	...
Graduates	55	48	56	56	46	73	...	...	...	...
Loss per cent. 1st year .	...	15.2	10.1	5.2	26.5	9.7	12.6	15.2	7.4	...
“ “ 2nd “ .	6.0	15.0	20.0	12.3	4.3*	5.4	2.1	14.0	...	...
“ “ 3rd “ .	9.5	7.0	...	3.1	22.4*	4.5	14.7	...	...	...
“ “ 4th “ .	3.5	10.4	13.8	9.7	23.3*	13.1	...	...	...	...
Total . . . . .	...	39.2	37.0	27.3	28.1	29.1	...	...	...	...

* Gain.

English High School. This school numbers at the present time 811, as against 751 a year ago, an increase of 60. This number is divided among the classes as follows:—

	1904.	1903.	Change.
Post-graduate	18	17	+1
Senior	148	112	+36
Junior	158	180	—22
Sophomore	220	190	+30
Freshman	267	252	+15

There has been an unusual number of changes in the teaching corps in this school during the year. Caroline H. Marsh has been granted a leave of absence for one year on account of health,

and her place taken by Ruth Tousey, Tufts, '03. The positions heretofore filled by Bertha P. Chase, Grace E. Lord, and Jonathan Leonard have been filled by the employment of H. Adelaide Hamlin, Radcliffe, '00, Nellie H. Swift, Mt. Holyoke, '96, and Anna Pushee, special student at Radcliffe, Berlin University, and Sorbonne. Blanche Bradford, Normal Art, '03, took the place left vacant by the resignation of Miss Harrington in 1903. Two additional teachers have been employed to meet urgent demands,—Jessamine D. Wolcott, a former teacher in the school, re-enforces both the commercial and the history departments, while Frederick O. Smith, of Malden, finds constant employment in the manual training department. Without reflecting in the least upon ex-teachers, it may be remarked that, in the employment of new teachers, the highest standards of excellence have been maintained.

The name "English School," if not an actual misnomer, is misleading. It creates the impression that English only is taught therein to the exclusion of other languages. On the contrary, however, as has been heretofore remarked, all subjects taught in any high school may be pursued in this school, with the solitary exception of Greek. The essential studies, English, mathematics, history, and elocution, are insisted upon in the case of all pupils. There is, besides, a broad list of elective studies meeting the demands of those who are training for either scientific and normal schools or for commercial pursuits, as well as for those who finish their school life here.

How severely the school is handicapped by lack of room has been spoken of elsewhere. The limit of expansion in its present quarters seems to have been reached. All signs, however, indicate that harmonious action of committee and city government, emphasized by the hearty approval of the citizens at large, will result in securing at least a part of what is needed in the very near future.

The school graduated 106, twenty-one of whom are pursuing their studies in higher institutions. There is a constant demand for the service of graduates of the commercial department of the school in remunerative positions of trust. The number of students pursuing the various subjects of study is as follows:—

Number Pursuing Each Study, December, 1904.

English	812	Mechanical drawing.....	212
History	729	Freehand drawing.....	409
Mathematics	575	Commercial:—	
Chemistry	76	Bookkeeping	85
Physics	57	Stenography	149
Biology	40	Elocution	792
Physiology	274	Manual training.....	187
Latin	103	Penmanship	194
French	303	Commercial arithmetic...	73
German	127	Typewriting	160
Physical geography.....	25		

This school suffers somewhat from the dropping out of pupils who begin lines of work, but fail to pursue them to the end through either infirmity of purpose or the demands of service elsewhere. There is always a serious loss of membership in the entering class before the middle of the year. If some method could be devised of either excluding all these temporary students or making them permanent, there would be a marked gain not only to the pupils themselves, but also to the school. The losses from each class since the organization of the school are shown in the following table:—

TABLE SHOWING LOSSES OF CLASSES IN ENGLISH HIGH SCHOOL EACH YEAR SINCE ITS ORGANIZATION.

MEMBERSHIP.	Class of 1899.	Class of 1900.	Class of 1901.	Class of 1902.	Class of 1903.	Class of 1904.	Class of 1905.	Class of 1906.	Class of 1907.	Class of 1908.
December 15, 1st year .	192	228	211	217	299	246	261	250	252	267
“ 2nd “ .	149	163	153	162	221	178	214	190	220	...
“ 3rd “ .	121	119	125	135	178	147	180	158	...	...
“ 4th “ .	98	97	108	120	151	112	148	...	...	...
Graduates	86	83	96	108	135	106	...	...	...	...
Loss per cent. 1st year	22.4	24.1	27.5	25.3	26.0	27.2	18.0	24.0	12.7	...
“ “ 2nd “	18.7	27.0	18.0	16.6	19.5	17.4	15.9	16.8	...	...
“ “ 3rd “	19.0	18.5	13.6	11.1	15.2	23.8	17.8	...	...	...
“ “ 4th “	12.2	14.4	11.1	10.0	10.6	5.4	...	...	...	...
Total	55.2	63.6	54.5	50.2	54.8	56.9	...	...	...	...

Grammar and Primary Schools. A year ago there were in these schools exactly 10,000 pupils; to-day there are 10,357, an increase of 357. They are distributed among the nine grades as follows:—

	1904.	1903.	Change.
Grade 1.....	1,586	1,651	— 65
“ 2.....	1,424	1,349	+ 75
“ 3.....	1,279	1,270	+ 9
“ 4.....	1,267	1,182	+ 85
“ 5.....	1,203	1,155	+ 48
“ 6.....	1,114	1,134	— 20
“ 7.....	1,003	964	+ 39
“ 8.....	851	751	+100
“ 9.....	630	544	+ 86
Total	10,357	10,000	+357

The grammar schools graduated 512, of whom 387, or nearly seventy-six per cent., entered the high schools, 124 going to the Latin, and 263 to the English. During its progress through the six grammar grades, the class dwindled from 1,036 to less than half that number, 376 dropping out between the sixth and the ninth grades, as soon as the compulsory age limit was passed. The following shows the changes:—

		Loss.
December, 1898, fourth grade.....	1,036	
December, 1899, fifth grade.....	1,024	12
December, 1900, sixth grade.....	920	104
December, 1901, seventh grade.....	826	94
December, 1902, eighth grade.....	687	139
December, 1903, ninth grade.....	544	143
June, 1904, graduates.....	512	32

A proposition now before the legislature to raise the compulsory school age limit from fourteen to fifteen would probably compel three-fourths of those who now drop out to remain one year longer in the schools. Primarily, education at public expense is for public protection. It is a serious question whether the greatest good to the greatest number does not demand that all children shall remain in school until they have completed their fourteenth year.

The 260 employment certificates issued during the year have been granted to children who have left the various grades as follows:—

Grade 4.....	12	Grade 7.....	48	Grade 9.....	50
“ 5.....	17	“ 8.....	32	Unclassified ...	61
“ 6.....	40				

The unclassified certificates have been granted mainly to illiterate minors.

Kindergartens. The first kindergarten was opened in Somerville in 1892 in the Prospect Hill schoolhouse; the second in 1895 in the Bennett school; the third in 1896 in the Glines school; and the fourth in 1897 in the Hanscom school. There have been public kindergartens for periods of from one to three years in the Highland, Hodgkins, and Carr schools. They were given up, however, to make way for primary children. Four kindergartens remain, two in ward one, one in ward two, and one in ward four. In the case of the Bennett kindergarten, there never has been a question regarding the expediency of its continuance. It is of more value than all the others combined. It has never interfered with first-grade schools, and is located among children that most need its benign influences. It should not be discontinued.

Until within two years, the Hanscom kindergarten has not interfered with primary schools. For the last two years, however, ninety first-grade primary children have been forced into half-time to make way for the kindergarten. In ward two this fall an overcrowded first-grade room compelled a decision of the question whether the kindergarten should be abandoned, the children put on half-time, or a portion of them transferred to the ward room of the Knapp school. The committee decided upon the latter course. In the Glines school, the continuance of the kindergarten has been at the expense of half-time for from eighty to a hundred children for two or three years. The experience of last year with regard to the failure of half-time schools to com-

pete with full-time schools has been confirmed by that of this year. In the half-time schools, seven and one-half per cent. more children were non-promoted than in the full-time schools, and in second grades fed by half-time first grades, six and one-half per cent. more children were left behind.

How long a school day shall be given first-grade children and what shall be taught them are mooted questions. There is a growing feeling in other cities among those best able to judge that two hours in the morning and two hours in the afternoon should make the maximum day for five-year-olds. Something may be said in favor of half-time schools, but experience has convinced me that an average of two hours and a quarter a day, even for first-grade children, is not time enough. The majority opinion among parents is decidedly in favor of the double session. Half-time sessions should be resorted to only when absolutely necessary.

Kindergartens are valuable auxiliaries of any school system. They have been incorporated as integral parts of school systems of many cities and towns that can afford them. They are not essential, however, and have been called "educational luxuries." I am of the opinion that an injustice is done whenever children five or six years of age are forced into half-time sessions, in order that children four years old may have two and one-half hours of kindergarten instruction. Under these conditions, the kindergarten should give way until there is room for it. Moreover, there should be uniformity of action throughout the city. There is no reason why certain sections should enjoy privileges which other sections have been forced to surrender under identical conditions.

The question of expense is not here considered, though in passing it may be remarked that a much larger dividend would be obtained by the expenditure of the \$4,000 for manual training in the upper grammar grades than is now realized from the kindergarten outlay.

The total cost of kindergartens in 1904 has been \$4,091, \$150.04 being for supplies. The per capita cost based upon the average membership was \$21.76.

The following table shows facts in detail:—

	Hanscom.	Bennett.	Baxter.	Glines.	Total.
Enrollment	101	109	97	106	413
Average membership	49	45	46	48	188
Average attendance	44	39	38	41	162
Per cent. attendance	89.5	86.7	84.2	87.2	86.2
Age	4—9	4—7	4—7	4—7	4—7

Evening Schools. Throughout the country, in all large cities, evening schools are becoming more and more important as an element in systems of public instruction. Thousands of immigrants land annually upon our shores. Many of them are wholly illiterate, and all are ignorant of our language and of many things which every citizen of a free government should know. They must be educated and Americanized, or remain a menace to our institutions. The children of these foreigners may be trained in our day schools, but those above fourteen years of age are ordinarily engaged in occupations that shut them out from day schools. Added to this constantly-increasing class there are in our cities numbers of young men and women who seek by attendance upon evening schools to supplement the meagre education of earlier years, or to make up what was lost to them through their own neglect or the stress of circumstances.

Evening schools are required by law, as well as by the interests of the community. If they are to be maintained, they must be made efficient and productive of results commensurate with increasing expenditures. But there are difficulties inherent in the situation that must be overcome. The first that may be mentioned is the difficulty of securing and maintaining the interest and regular attendance of students who begin the work with some enthusiasm and with good intentions, but who yield to other attractions in their unwillingness to make the denial and effort required, and drop out early in the season. Our own experience is that less than half of those who are enrolled attend to the end of even a short term. The benefit resulting to this class is very slight.

A second difficulty, which may be related to the first as cause to effect, is that of securing the right sort of teachers. As in the day schools, so in the evening schools, everything depends upon the character and training and power of the teacher. Failures in evening schools in the past may be attributed to the employment of inexperienced teachers who had no interest in the work other than a financial one.

Attempts to maintain evening schools without the employment of day school teachers have generally failed. While it is possible now and then to secure the services of ex-teachers of the right stamp engaged in other occupations, the supply falls much short of the demand, and some teachers come to their work ordinarily no less fatigued than day-school teachers. There are students in neighboring colleges that are ready to undertake the work; they have been tried and found wanting. As a rule, those who take up teaching as a side occupation generally do poor work. The experience of other cities is like our own, and all are obliged, more or less, to draw their evening school teachers from the ranks of those who work in the day schools.

To illustrate by present conditions in our own city: We have now fifty-five teachers employed in evening schools. Of

these, twenty-one, eleven men and ten women, teach in our own day schools. Ten others, four men and six women, are employed in the day schools of neighboring cities. Twenty, three men and seventeen women, are experienced teachers now engaged in other lines of business. The most of this class do fairly good work, but are not as efficient as those of the preceding two classes. The remaining four teachers hold subordinate positions, and are comparatively without experience. To what extent regular school teachers may be employed without detriment to the day schools is an important question which has recently been fully discussed in the board, and upon the settlement of which the success of evening schools and, in a measure, that of day schools, as well, hinges.

The work of our evening schools is limited in kind to that of the day schools. In Boston, for example, the evening school work has been very much broadened in what are called "educational centres." In these centres instruction is given not only in day-school subjects, but also in dressmaking, millinery, embroidery, basketry, raffia work, carpentry, cooking, gymnastics, and music. In addition, popular lectures or informal talks are given on such topics as literature and authors, civil government, geology, steam heating, and ventilation, physiology and hygiene as applied in nursing, electricity, steam engineering, brick-laying, and salesmanship. These facts are mentioned, not to advocate the introduction of this work in our city, but to show the general trend of evening school work.

It is a satisfaction to be able to report that our evening schools for the season of 1903-1904, covering a period from October to April, showed a marked gain in attendance, interest, and results. Eight hundred and fifty-nine students from fourteen to sixty years of age were enrolled in the elementary schools. Three hundred and twenty-eight, or thirty-eight and one-fifth per cent. of this number, attended all the time. The attendance by months was as follows:—

October	433	November	386	December	332
January	284	February	267	March	223

The Prescott and Bell schools were open for ninety-eight sessions each, the Forster for ninety-six, and the Highland for seventy-seven. The cost of these schools was \$0.235 per pupil per evening.

In the evening drawing school 191 pupils were enrolled; seventy-four, or thirty-nine per cent., attended all the time. The attendance by months was:—

October	99	November	80	December	71
January	70	February	63	March	63

The cost of this school was \$0.388 per pupil per session.

We should refuse admission to that third of the students in this school who come and remain only a month or two. Such

brief connection with the school is without gain. In some other cities a deposit of two or three dollars is required from all pupils, which is returned to those who attend for seventy per cent. of the sessions, and forfeited by all others. This plan may well be adopted here.

The total cost of evening schools for the season was \$8,864.60.

On the tenth of October of this year, "on petition of at least fifty persons capable of attending the high school and pledging themselves so to attend," an evening high school was opened in the English building. The work of organizing and managing the school was committed to Mr. Whitcomb, head master of the English High school. The school is divided into two sets of classes, one attending Monday and Thursday evenings, and the other on Tuesdays and Fridays. Each student is required to attend at least four hours a week, and take at least two subjects. Classes were formed in the following subjects: English composition and rhetoric; English literature; Latin; French; German; algebra; geometry; commercial law; and the commercial branches,—bookkeeping, penmanship, commercial arithmetic, stenography, and typewriting.

The drawing school, which has held its sessions for several years in the Latin building, was transferred to the English building, and holds sessions on Tuesday and Thursday evenings, as heretofore. It has been incorporated, however, as a department of the evening high school, and is under the same management as the other departments. Inclusive of students in the drawing school, 743 have been registered. The average attendance of all pupils thus far during the year has been as follows: October, 387; November, 356; December, 246.

The instructors in the drawing department are the same as last year. In the other departments of the school, only the best teachers available have been employed. They are either teachers already employed in the English High school, or such as would be acceptable teachers for that school. The enrollment of the school shows that it supplies a demand. It is apparent, however, that it is to encounter the same difficulties that beset the elementary schools. Many students begin their work enthusiastically, but soon drop out for one reason or another. Of course, experience will show us better how to treat such students, and the best way of placing the school upon a stable basis.

The expense of instruction for this school for the eleven weeks of this year has been \$2,153.50. Provided our evening schools are kept as many sessions this year as last, their aggregate cost for the season will be about \$14,000. This is a large sum to add to the expense of day-school maintenance, and the evening schools should receive the closest supervision, be provided with the best teachers, and all other possible means employed to secure the most profitable returns. If these things are

done, the outlay is sure to meet the hearty approval of our citizens.

The following table shows the principal facts concerning evening schools for 1903-1904. Details may be found in the Appendix:—

EVENING SCHOOLS.

	Elementary.		Drawing.		Total.	
	'02-'03.	'03-'04.	'02-'03.	'03-'04.	'02-'03.	'03-'04.
Enrollment.....	741	859	178	191	919	1050
Average attendance....	251	328	78	74	329	402
Percent. of attendance .	33.9	38.2	43.8	38.7	35.8	38.3
Teachers	28	33	6	6	34	39
Sessions	346	369	47	48	393	417
Cost..	\$5,857	\$7,286	\$1,331	\$1,378	\$7,188	\$8,664
Cost per capita*.....	23.33	22.21	17.07	18.63	21.85	21.55
Cost per pupil per evening.....	0.279	0.235	0.363	0.388	....	....

*Based on average attendance.

Vacation Schools. In order to place vacation school facilities nearer the homes of those most likely to attend, it was decided to open two schools, one in the Perry schoolhouse, and the other in the Bingham. This arrangement proved to be wise, for it largely increased the attendance upon the vacation schools, without adding to their expense. Both schools were placed under the supervision of Harry F. Hathaway, who has been connected with the vacation schools ever since their inception in Somerville. Half his time was given to each school. One woodworking class was opened in each building, under the charge of Mr. Jaynes, of the English High school. Eight hundred and thirty pupils were enrolled. The following-named day schools were represented:—

Baxter	22	Durell	56	Bingham	218
Bennett	12	Edgerly	11	Brown	20
Bell	45	Knapp	66	Burns	9
Carr	92	Morse	24	Forster	50
Cummings	3	Parochial	67	Glines	52
Davis	9	Perry	56	Highland	5
Hodgkins	2	Pope	8	Lowe	2

The attendance for each of the five weeks between June 11 and August 12 was 565, 526, 471, 438, 410, an average of 482, 171 more than in 1903. One hundred ninety-four children did not lose a session.

The work of the school was along the established lines, and was exclusively manual in its nature. The teachers were drawn from our regular day school corps, and rendered efficient service.

Like evening schools, vacation schools are entering more and more largely into the public school system as permanent elements. Their work is to be extended and systematized. It is probable that three schools, established in suitable localities, would easily be maintained without very much increasing the present expenditure. There are features of the work that we never have undertaken that might be followed successfully if the additional expense would be justified. The cost and attendance are shown in the following:—

	1901.	1902.	1903.	1904.
Appropriation	\$500.00	\$500.00	\$500.00	\$500.00
Paid teachers.....	\$405.00	\$427.50	\$377.50	\$422.50
Paid for supplies.....	99.26	123.43	162.64	149.73
Total	\$504.26	\$550.93	\$540.14	\$572.23
Average attendance.....	317	365	311	482
Per capita cost.....	\$1.59	\$1.51	\$1.73	\$1.19
Number of classes.....	10	12	10	14

Cost of the Schools. The total amount spent for the maintenance of the schools of Somerville in 1904 is \$315,903.74. This does not include the sums spent on schoolhouse repairs and for new buildings. It does cover first the amount paid for the care of school buildings, for janitors' services, fuel and light, and telephones. With this expenditure the school board has nothing to do, it being wholly in charge of the city government.

The amount paid for janitors is.....	\$22,024.21
The cost of fuel is.....	15,315.30
The cost of light is.....	1,435.70
Telephones	236.60
A total of.....	\$39,011.81
The cost per capita.....	\$3.52

The second important expenditure is wholly under the control of the board, and is covered by what is known as the "School Contingent" appropriation. The following are the chief items:—

Officers' salaries.....	\$4,900.00
Books	\$8,203.69
General supplies.....	4,824.63
Laboratory and manual training supplies...	1,043.12
Printing	1,101.00
Graduation exercises.....	1,227.62
Drawing supplies.....	1,169.08
Bookbinding	567.83
Truant officer's horse.....	240.00
Express and postage.....	185.40
Board of truants.....	245.84
School census.....	227.40

Amounts carried forward.....	\$19,035.61	\$4,900.00
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Amounts brought forward.....	\$19,035.61	\$4,900.00
Telephones	136.95	
Miscellaneous	2,208.69	
	<hr/>	
Total for school supplies, etc.....		21,411.25
		<hr/>
Total outlay on school contingent account.....		\$26,311.25
Estimate of the committee.....		26,500.00
Appropriation		25,000.00
Deficiency as compared with appropriation.....		1,311.25
Surplus as compared with estimate of committee....		188.75
Received for damage to school property and tuition of non-residents.....		221.50
Net surplus.....		410.25

The third, and by far the largest, element of the cost of schools is the sum spent for the salaries of teachers. The following shows the monthly payments:—

January	\$24,782.43	
February	24,764.07	
March	25,079.62	
April	23,905.00	
May	23,940.10	
June	23,802.25	
August	422.50	
September	24,424.35	
October	26,374.63	
November	26,497.87	
December	26,587.86	
	<hr/>	
Total		\$250,580.68
Estimate of committee and appropriation.....		249,500.00
		<hr/>
Deficiency		\$1,080.68

This deficiency is due largely to the unexpected size of the evening high school and its larger salary list.

The total outlay for all purposes in 1904 is as follows:—

Teachers' salaries.....	\$250,580.68
Administration	4,900.00
Care of schoolhouses.....	39,011.81
School supplies.....	21,411.25
	<hr/>
Total for school maintenance.....	\$315,903.74
Paid for repairs.....	18,208.97
Paid for new buildings.....	23,703.11
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Total for all school purposes..... \$357,815.82

Each dollar of the sum spent for the support of schools has been divided in the following proportion:—

	1900.	1901.	1902.	1903.	1904.
Teachers' salaries.....	\$0.799	\$0.790	\$0.800	\$0.781	\$0.793
Administration	0.018	0.017	0.017	0.013	0.016
Janitors' salaries.....	0.074	0.071	0.073	0.070	0.070
Heat and light.....	0.048	0.055	0.042	0.067	0.053
School supplies.....	0.061	0.067	0.063	0.069	0.068
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
Total	\$1.000	\$1.000	\$1.000	\$1.000	\$1.000

Per Capita Cost. The only way to compare the cost of the schools from year to year is by considering the amount spent for each pupil in their average membership. Heretofore, in comparisons of the cost of grammar and primary schools, we have included that of evening schools. This year we exclude the cost of those schools because the sum now spent for them is so large as to make material differences, and thus mislead. The following table shows the

PER CAPITA COST OF DAY SCHOOLS FOR 1903 AND 1904.

	High Schools.			Grammar and Primary Schools.			All Day Schools.		
	1903.	1904.	De-crease.	1903.	1904.	De-crease.	1903.	1904.	De-crease.
Instruction . . .	\$47 28	\$47 20	\$0 08	\$19 13	\$19 24	\$0 11*	\$22 04	\$22 16	\$0 12*
Supplies	5 32	6 04	*0 72	1 51	1 29	0 22	1 90	1 78	0 12
Care	4 43	4 29	0 14	3 65	3 31	0 34	3 73	3 42	0 31
Total	\$57 03	\$57 53	*\$0 50	\$24 29	\$23 84	\$0 45	\$27 67	\$27 36	\$0 31

* Increase.

Including the sums paid for the maintenance of evening and vacation schools, the per capita cost for the two years is as follows:—

	1903.	1904.	Change.
Cost of instruction.....	\$22.67	\$23.03	+\$0.36
Cost of supplies.....	1.95	1.93	— 0.02
Cost of care.....	3.84	3.52	—0.32
Total	\$28.46	\$28.48	+\$0.02

An examination of these tables shows that eight cents less has been paid per pupil for instruction in the high schools; that the care of these buildings has decreased fourteen cents; and that supplies have cost seventy-two cents more than last year. All this makes the average cost of educating a high school pupil this year just a half-dollar more than last year, \$57.53 in 1904, as against \$57.03 in 1903. This increase is attributable to expenditures for books, some text-books having been changed and many old, worn-out books replaced.

Instruction in grammar and primary schools has cost eleven cents per pupil more this year than last, while supplies and care of buildings have cost twenty-two cents and thirty-four cents less, respectively, making the net total of the per capita cost of these schools forty-five cents less than in 1903, \$23.84 in one case, and \$24.29 in the other.

Taking all the day schools together, we find that instruction costs twelve cents more, supplies twelve cents less, and care of buildings thirty-one cents less, making the net cost per pupil \$27.36 this year, as compared with \$27.67 in 1903,—a decrease of thirty-one cents.

Adding the cost of evening schools to that of day schools, we increase the cost of instruction thirty-six cents, and decrease that of supplies two cents, and that of care of buildings thirty-two cents. This makes the total cost of school maintenance for 1904 \$28.48 per capita, two cents more than in 1903, when it was \$28.46.

There were eleven cities and thirty-six towns in the commonwealth that paid a larger per capita sum than Somerville in 1902.

The cost of maintaining our schools in 1904 was \$5.44 for every \$1,000 of the city's valuation, 31.6 per cent. of the entire city tax of \$17.20 per \$1,000.

The number of children to be educated by Somerville continues to increase more rapidly than its ability to meet the expenditures which this education entails. The number of children in the schools increased 3.8 per cent. in 1904, while the valuation of the city increased 1.9 per cent.,—only half as much.

Heavy as is the burden of school support, it will be met cheerfully, provided results and outlay are commensurate. Growth and expansion are inevitable. A wise economy, however, expends carefully, retrenches whenever possible, examines results, and throws upon the future its share of the burden. High standards cannot be maintained without proportionate outlays. The tendency everywhere is to transfer burdens and responsibility from the individual to the public. As a leader truthfully remarks:—

"If we are to have schoolhouses properly equipped for the training of the body, as well as the mind, for manual training, play, gymnastics, and athletics; if all children are to enjoy their God-given right to education; if schools are to be equipped for scientific, as well as literary studies; if salaries are to be paid to teachers that will attract men and women of breeding and refinement to the teaching profession; and if all the teachers are to be thoroughly trained so that they will be models to imitate and persons capable of arousing interest and inspiring effort; if all these things are to be accomplished, it is evident that the sums devoted to education in America, enormous as they are, must be very greatly increased."

The salaries paid at the present time are as follows:—

2 men.....	\$3,000	4 women.....	\$775
2 men.....	2,000	2 women.....	750
10 men, 2 women.....	1,900	16 women.....	725
6 men.....	1,700	5 women.....	700
2 men.....	1,600	203 women.....	650
1 man.....	1,500	7 women.....	600
1 man, 3 women.....	1,200	3 women.....	500
1 woman.....	1,150	5 women.....	425
1 man, 10 women.....	1,000	1 woman.....	400
1 man, 18 women.....	900	1 woman.....	350
1 woman.....	850	1 woman.....	300
1 man, 1 woman.....	800	1 woman.....	275

On this basis, the total salary list at present is \$245,000.

This does not include sums paid for evening and vacation schools and substitutes. With these added, the salary requirements for 1905 will be about \$260,000.

Stamp Savings. The system of stamp savings, introduced in September, 1902, has now been in operation for two full school years. The business transacted for those years is here shown:—

	1903.	1904.
Received from sale of stamps.....	\$15,135.59	\$9,069.80
Deposited in Somerville Savings Bank....	8,069.85	5,514.89
Value of cards cashed.....	3,152.46	2,521.86

Sixty per cent. as many stamps were sold the second year as during the first year, a falling off to be expected as soon as the novelty had worn off. Thus far during the present year the business transacted has been about the same, and seems to have reached a normal basis.

The sale of stamps for October and November of the three years has been as follows:—

In 1902, the sales of stamps for these months amounted to	\$4,724.84
In 1903, “ “ “ “ “ “ “ “ “	2,690.88
In 1904, “ “ “ “ “ “ “ “ “	2,517.98

About \$8,000 is now on deposit at the savings bank as the result of two years' experience.

No reason appears for the discontinuance of the system in our schools. While it entails extra labor upon teachers and principals, the work has in general been so systematized that it is not a burden. Moreover, most teachers take great satisfaction in helping their pupils to establish and confirm habits of thrift.

Public Library. The public library and the schools continue to work together in the utmost harmony. Ready provision is made for all needs of teachers for books for classroom work. The children's room in the library is well patronized. More children are reading books than ever before. There are 110 libraries now located in as many different schoolrooms. The books are very largely selected by teachers, and of very many of them several copies are furnished. During the year 5,169 books have been delivered to the schools. It is interesting to know that the majority of these books, 2,750, are classed as “non-fiction.” The thanks of both the teachers and the pupils are due to the librarian and his affable assistants for their co-operation and courtesy.

St. Louis Exposition. The schools of Somerville were represented at St. Louis by three distinct exhibits. The first was from the English High school, showing its organization, its curriculum, its general plan of work, the methods employed in every department, and representative specimens of pupils' work. The second exhibit was from the elementary schools, and showed the course in language and grammar followed in the schools, with typical papers prepared by pupils of each grade. The third exhibit showed the system of penmanship taught in the schools as represented by pictures, and papers prepared by pupils.

These exhibits received commendation, and were awarded a grand prize and two gold medals. In addition, a gold medal was awarded the head master of the English High school for his work as a collaborator.

These exhibits, along with those of the other Massachusetts cities and towns, have been sent to Portland, Ore., for the Lewis and Clark Exposition. They will, however, be returned to this city in due season.

Repairs and Decorations. During the summer, the Bell, Davis, and Cummings school buildings were thoroughly renovated, the woodwork varnished, and the walls tinted. An additional furnace for the heating of the corridors was installed in the Davis, and also in the Cummings, and in the latter building a toilet room for the use of teachers was provided. The walls of the lecture hall and of several rooms in the English High school were tinted,—a good work that is to be continued from year to year. The same is true, also, of the Hodgkins school. In the Bingham school the walls of the eight rooms in the old building were tinted and everything made harmonious.

The movement for providing schoolrooms with works of art of one kind or another continues. Through the efforts of the teachers in the Bennett school, \$150 was raised, which has been expended in the purchase of pictures for the walls. Similar efforts of the Bingham school teachers resulted in the purchase of pictures and other works of art to the amount of \$125. From the funds resulting from the oratorio given by the pupils two years ago, a number of pictures, busts, and bas-reliefs have been added to the English High school. It has become the custom for graduating classes in the high and grammar schools to leave behind them some work of art as they graduate. This pleasant custom is gradually providing the principals' rooms in these buildings with valuable collections.

The schools are indebted to friends for the presentation during the year of valuable pictures, which are here gratefully acknowledged in the following list:—

For the Durell school, a portrait of Rev. George W. Durell, from his son, Dr. T. M. Durell.

Prescott school, a portrait of ex-Superintendent Joshua H. Davis, from Miss Mabel James, a former pupil of the school.

Edgerly school, a portrait of John S. Edgerly, from his daughters, Mrs. Helen M. Despeaux and Mrs. Mixer.

Lowe school, a portrait of Mrs. Martha Perry Lowe, from the Somerville Woman's Suffrage League.

Hanscom, Davis, and Bennett schools, pictures from S. Newton Cutler.

Carr school, photographs for the walls, from Miss M. A. Tufts.

Bingham school, a picture from the Anne Adams Tufts Chapter of the Daughters of the American Revolution.

We wish, also, to acknowledge the following gifts of books from S. Newton Cutler, former chairman of the school board:—

To the Latin school, "The Cambridge Shakespeare," nine volumes.

To the English school, "The American Statesmen Series," thirty-one volumes.

To the Prescott and Edgerly schools, each, Woodrow Wilson's "History of the United States," five volumes.

We are indebted, also, to the Woman's Relief Corps, G. A. R., Post 113, for their kindness in providing several of the schoolrooms with United States flags.

There is abundant room still left in all the buildings for other gifts of the same generous, thoughtful nature. Schoolrooms cannot be made too attractive.

Change in Charter. The city charter which went into operation January 1, 1900, provided for a school committee consisting of fourteen members, two elected from each ward. The legislature of 1904 amended the charter, subject to the approval of a majority of voters at the state election in November, by adding to the school committee the mayor and the president of the board of aldermen, ex-officiis. The proposed amendment having been approved by a vote of 2,524 to 1,343, the two officials named, Mayor Leonard B. Chandler and President Joseph S. Pike, took their seats as members of the board at the regular meeting, November 28. Section 28 of the charter, that relates to the school committee, now reads as follows:—

Section 28. The management and control of the public schools shall be vested in a school committee, which shall exercise the powers conferred and discharge the duties imposed by law upon school committees. The committee shall consist of the mayor and the president of the board of aldermen, ex-officiis, neither of whom shall serve as chairman, and fourteen other members, two from each ward, elected as follows: At the first municipal election held under this charter, two members of the school committee shall be elected by and from the qualified voters of each ward, one to serve for the term of two years and one to serve for the term of one year, beginning on the first Monday of January next ensuing, and thereafter one member from each ward shall be elected in like manner at each annual municipal election, to serve for the term of two years. Vacancies occurring in the school committee shall be filled by a joint ballot of the board of aldermen and the school committee, the member so elected to be a resident of the ward entitled to the new member, and to hold office only for the remainder of the municipal year, the vacancy for the remainder of the term, if any, to be filled by the voters of said ward at the next municipal election.

Manual Training. This subject was discussed at some length in the report of last year. At the January meeting, on recommendation of the committee on industrial education, the

board voted unanimously to request the board of aldermen to fit up a room in the Forster annex for woodworking. No action in this direction has yet been reported to the committee. This is the fourth time that the school board has gone on record as attempting to conform to the statute which requires manual training to be taught in the elementary schools in every city as large as ours.

We now have three manual training teachers in the High school, whose services are easily available for two hours each afternoon. If rooms could be equipped in three convenient localities, eighth-grade boys could be given instruction in this branch at relatively little outlay. I trust the board will persist in its efforts.

School Hygiene. In conformity with the instructions of the board, the attention of teachers was recently called to the proper observance of all regulations that pertain in any wise to school hygiene. A copy of the following circular was sent to each teacher:—

By vote of the school board, the constant attention of all teachers is called to what follows:—

1. Pure air, cleanliness of body, eight hours' sleep, just enough suitable food, clean clothing adapted to the season, the regular exercise of bodily functions, judicious exercise in the open air, and sufficient useful employment for body and mind are essential to health. These conditions are to be secured mainly by parents and in the home. Very often, however, teachers may courteously co-operate with parents by way of counsel, and possibly by active assistance. Some of these essentials may and must be furnished children when in school. The responsibility rests for this upon the teacher. Physical training is as much a duty and requirement as mental or moral training. Indeed, it is fundamental, for the best educational results come only from perfect physical conditions.

2. Insist on personal cleanliness in your pupils, and, as far as possible, on clean clothing.

3. Watch vigilantly for signs of contagious disease,—diphtheria, scarlet fever, measles, whooping-cough, chicken-pox, pediculosis, scabies, etc., and see that quarantine rules are rigorously enforced. Send suspected cases home, or confer with parents, who will generally commend your solicitude. Err, if at all, on the side of safety.

4. See that schoolhouse doors are open early in cold or inclement weather. If wet feet and clothing endanger health, send the owner home.

5. The temperature of the schoolroom should be uniform throughout the day,—sixty-eight degrees Fahrenheit, at the level of the pupils' desks, from eight-thirty until the time of dismissal. Overheated air is much too common. Do not hesitate to send for the janitor whenever it is necessary to regulate the tempera-

ture. He is good-natured, interested in his work, and will be glad to aid you. If the temperature is sixty or below at nine o'clock, with no prospect of its reaching sixty-five by nine-thirty, dismiss the children, but in all cases consult the janitor, that he may share the responsibility and, if possible, remedy the trouble.

6. In most school buildings opening the windows or doors renders the ventilating system inoperative. Your room must be cooled off or aired by means of the ventilating apparatus.

7. In all schools, grades one to four, inclusive, must have a "basement recess" midway of each session. This recess should be as nearly simultaneous as possible in all classes, and should occupy the briefest possible time. The movements of children may be rapid, as well as orderly. "Tip-toeing" is unhuman and pernicious at all times.

8. In every schoolroom there should be one or more brief periods of Ling gymnastic exercise. Besides this, at the end of every hour, and oftener in the lower grades, there may be a recess of two or three minutes, during which children are to leave their seats, hold intercourse with one another, and be given complete mental and physical relaxation. At this time there is no objection to opening the windows, provided no one is exposed to draughts.

9. Whenever necessary, pupils are to be allowed to leave the room,—the trusty ones without asking. If any record is kept of such leaving, it should be of the most private character, and with due regard to the feelings of sensitive pupils. No detention after school or other penalty should be imposed, excepting in case of conspicuous abuse of the privilege granted. In doubtful cases a written parental request may be required.

10. Be careful of the eyes of your pupils. Blackboard work should be distinct and, as far as possible, in direct range of the pupils' vision. Pull up the curtains, and take advantage of all the light obtainable. Remember that light from the top of the window reaches the farther side of the room.

11. Home study is prohibited in the six lower grades, and limited to one half-hour in the seventh, three-fourths of an hour in the eighth, and one hour in the ninth grade. Let home tasks be sensible, and adapted to those whose facilities for home study are not of the best. What you can do in a half-hour or so is no measure of what your pupils can accomplish. "Don't measure children by adult standards." It is these overtasks that make home study unpopular, and justly so.

12. Do not carry any recitation or other exercise beyond the fatigue point. For a tired, listless, inattentive class, the teacher is wholly responsible.

13. Pupils are required to be in their seats at nine and at one-thirty. Dismissal is to be as prompt. Classes are expected to work up to eleven-forty-five and three-thirty, excepting in primary grades in large buildings.

14. Detention after school at the close of the morning session, whether voluntary or involuntary, is prohibited. Involuntary detention at the close of the afternoon session is limited to one half-hour, and this time must not be exceeded. The best teachers detain the least. "Wilful neglect of duty" is often misinterpreted, and should be given its primary signification.

15. Outside of instruction upon the evils of using tobacco and alcohol, teachers are allowed six and one-quarter minutes a week for instruction in hygiene. This instruction should be adapted to the season and to the needs of the class. It should be practical, and should affect the personal habits of the child.

16. There are many poor children in the city who will be glad to receive clothing from those more fortunate. Mr. Snow will cheerfully act as the almoner of any bounty along this line.

17. Finally, in this whole matter of school hygiene, try to put yourself in the place of the child, sympathetically study his peculiar needs, and minister in all things as far as possible to his physical as well as to his mental and moral requirements.

The school board is on record as strongly favoring frequent medical inspection of the public schools. The adoption and successful working in other cities of plans for the examination of schoolrooms and school children by physicians employed at public expense is proof of its value. The community should be safeguarded against danger from contagious disease, and children in the public schools who often suffer from unrecognized, easily-remedied ills should have their physical interests promoted in every possible way.

An important step in the right direction has been taken by the board of health in requiring the immediate fumigation of schoolrooms and corridors and the destruction of books used whenever a pupil is reported ill with contagious disease.

The rule may require several fumigations of the same room within a week, and the dismissal of a class may be frequently necessary, but this loss is amply repaid by the security afforded. The plan has one disadvantage. The fumigation cannot be conducted without the knowledge of the public, and hence serves to advertise the fact that there have been cases of contagious disease. This tends rather to increase than to allay the apprehensions of parents, and may seriously affect the attendance of children. It should be understood by the public that these preventive measures reduce danger of contagion to the minimum as far as the schools go.

The following is a copy of the instructions now posted in every schoolroom:—

IN BOARD OF HEALTH,
Somerville, November 3, 1904.

Ordered, that the following regulation be and hereby is adopted:—
Immediately upon the receipt of notice that a teacher or pupil in any school in the city is sick with smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, the schoolroom in which

such teacher or pupil was accustomed to sit, and the dressing-room in which the aforesaid teacher or pupil placed his or her outer garments shall be fumigated by the Board of Health or its agent, or to their or his satisfaction.

All books, papers, and other articles, which in the opinion of the Board or its agent have been directly exposed to the contagion, and which cannot be satisfactorily fumigated, shall be burned.

(Signed)

WILLIAM P. MITCHELL,
Clerk.

There is everywhere a growing interest in physical training in the schools, a belief that the duty of caring for the body is as important as that of training the mind. In this connection attention is called to the following utterance of a distinguished educator:—

“First among these present-day problems is the problem of physical education.

“For purposes of training the body directly and the mind indirectly, four agencies are more or less employed in some schools, and should be extensively employed in all schools: play, gymnastics, athletics, and manual training. In addition to the physical qualities developed by gymnastics, athletics develops the intellectual qualities of alertness, self-knowledge, executive ability, and ‘presence of mind,’ or the ability to think effectively in a crisis; and the moral qualities of self-control, self-reliance, courage, endurance, humility in victory, fortitude in defeat, and loyalty to one’s fellows through working together for a common end. Manual training specifically trains the hand as the executive of the mind; it gives opportunity for self-expression in material forms; it gives facility in the manipulation of the simplest and most generally used tools that have aided man in his ascent from savagery; it cultivates the mental and moral habits of accuracy and truthfulness, and it induces a realization of the dignity of labor.

“Without these four forms of physical culture, no school is doing its perfect work.”

Home Study. The question has recently been raised as to whether the requirements of our schools may not be prejudicial to the health of pupils. This question recurs periodically, and is important, for whatever affects the health of school children naturally retards their progress and demands a remedy. The critics often argue from insufficient data, and sometimes from the limited experience of a family circle. Besides, there is a tendency to make the schools a scapegoat for misfortunes or failures in the community. For the health of school children, the home and parents are chiefly responsible. It is an easy matter to charge ill health to the schools, when it is really attributable to natural weakness or excesses in other directions. As has already been said, the subject of physical training in schools is now at the front, and they are more and more supplying the physical demands of the young, which all homes neglect to some degree,

and many ignore entirely. It is not only because the question is now prominent, but because it is fundamental, that the subject is considered here, and the result of inquiries made more especially with regard to high school pupils presented.

It may first be said that the normal child whose diet is suitable, who sleeps eight hours daily, and who has sufficient exercise in the open air is generally perfectly healthy. Such children constitute the great body of school pupils. They need useful occupation for body and mind as much as they need food and sleep. Our schools are somewhat neglectful in not giving manual training work,—exercise for the bodily faculties. It is probable that we do not furnish enough work of any sort for many children. For a few not naturally strong, the requirements may possibly be too severe, but for the great body of children, a careful consideration of the facts will show that no more is asked than can be given without injury.

Attention has already been called to the fact that the schools are in session on less than half the days of the year (178 days in the case of the high schools this year), that the year is broken into fourths by three vacations of a week each, that the schools are not in session on two days each week, and that there are frequent interruptions from legal holidays or stormy weather. In the case of the high schools, at least, this short year compels intensive work. If the work which necessity now compels pupils to do in 178 days could be extended over a longer period, say 200 days of the uninterrupted, normal, high school year, it would undoubtedly be better. Greater deliberation, more time for digesting knowledge and assimilating it would be a distinct advantage. The spirit of this electric age, demanding that everything be done in the shortest possible time, is having too great an influence in matters of education.

We often hear the remark by opponents of home study, "The children get five hours of brain work in school, and that is enough." Every one at all familiar with the work of the schools knows that the length of the session is no measure of the amount of the "brain work" of the child. Deducting time spent in opening and closing exercises, in gymnastics and recesses, in music and drawing, in no school do more than four hours remain for work that demands any special mental strain, and often much of the remaining work is of such a character as not to require intense application.

Inquiries of teachers and pupils in the Latin school have elicited the following information: There are twenty-six recitation periods in a week. The freshman class has ten periods in a week for study, the sophomores, eight, the juniors, from six to nine, and the seniors, five periods. In addition to this study in school, about twenty-five per cent. of the two upper classes study at home more than three hours a day for five days in a week. Forty per cent. of them study from two and a half to

three hours, and the remaining thirty-five per cent. study two hours or less. In the two lower classes, about twenty-five per cent. study three hours or more a day for five days a week; another twenty-five per cent. study about two and a half hours a day; and the remaining fifty per cent. study two hours or less. We find that thirty per cent. of the pupils in the high school carry an additional burden in the shape of music lessons, taking from one to two hours daily. In response to the question, "Do you or your parents think that this study affects your health?" about fifty answered, "Yes." These fifty pupils are among those who spend the largest number of hours in home study. Twenty of them take music lessons in addition, and in many cases their exercise in the open air is limited to the walk to and from school. In regard to the amount of open-air exercise taken by the pupils of the Latin school, in general it may be said that, aside from those who are engaged in athletics, the great majority do not take an adequate amount. There is sore need of suitable well-directed physical training in the high schools, and there is more need of free open-air exercise on the part of all high school students.

Assuming that there are fifty students out of the 425 in the Latin school whose health may be more or less jeopardized by study, the number is not abnormally large. It is probable that out of a hundred students taken anywhere at random, twelve would be found below the standard in vigor and ability to stand the more severe strain of school work. The remedy for this state of things lies in either lessening the amount of required work or in increasing the time allowed for it. The work of the Latin school is definitely prescribed by the requirements for college admission. Nothing can be omitted without a change in college requirements, and this remedy lies beyond the reach of the school authorities. In response to the question, "Do your parents think it would be better for you to take five years rather than four for your high school course?" only five per cent. answered "Yes," and only seven of the fifty who claimed that health was affected by their high school work desired any extension of the time. For years it has been possible, and is now, and it is distinctly so stated in the curriculum of the school, for any pupil to take five years instead of four to complete the work of the school. Very few, however, do it. With this opportunity of lessening the strain by taking a five-years' course, the responsibility for any injury done to health is transferred from the school authorities to the parents.

In this connection, the question of making the regular course five years in length and shorter courses of three and four years exceptional and optional is pertinent. The advisability of taking into the Latin school college-bound pupils from the eighth grade of the grammar schools, and giving them five years for college preparation, instead of four, should be very thor-

oughly discussed before plans are made for additional high school accommodations. It would make a difference of 150 pupils in the Latin school, and demand additional room, teachers, and outlay, but in the opinion of many best able to judge, this change would be decidedly to the advantage of both the students and the school.

The conditions in the English school are somewhat different, but inquiries there, to which 715 students have responded, lead to the same general conclusions. In this school there are thirty recitation periods per week. Of these, the freshmen have ten periods for study, the sophomores, twelve, and the juniors and seniors, eleven periods each. Every student is required to take fifteen periods of work that requires more or less study. Besides, all students have two or three periods of unprepared work which requires no previous preparation. English, history, and mathematics are required from each pupil, save in a few exceptional instances. The remaining studies are elective. Of course the range of electives is limited in the case of students preparing for the Institute of Technology or for normal schools. In general, however, each student may follow his tastes and inclinations, and select such subjects as offer the least resistance, if he chooses. The average amount of home study reported by students in this school is a little less than two hours a day for six days a week. Some who are doing special work, or more than the required amount, largely exceed this average, and very many, notably in the two lower classes, fall much below it. Thirty per cent. of the pupils spend an average of a little less than ten hours each week on music outside of school. Only four pupils in every hundred expressed a preference for an extension of the course to five years. Seventy-one pupils, or one in ten, think that their health is more or less affected by study. Among these, there are many who have weakness of the eyes. The great majority of students claim to take two hours of open-air exercise daily. As far as the observation of the teachers goes, the pupils whose health may be somewhat affected by study include many who are taking more than required work, some not naturally possessed of much physical strength, and some who spend a disproportionately large amount of time on outside pursuits. The remedy for any troubles on the score of health in this school, unlike that in the Latin school, is two-fold. The required courses are sufficiently flexible to meet the needs of all. There are already students in the school who are now taking partial courses. Any over-taxed student may drop one or more of his electives. The other remedy lies in the extension of the course through five, or even six years. Any one who wishes may adapt the length of time spent in the school to health conditions. Of course, there is a natural aversion to dropping out of one's class, and it often happens that personal interests are sacrificed instead. The responsibility, however, does not rest upon the school.

In review, it may be said concerning the whole matter that schools must be organized and their courses shaped to accommodate the great body of students who are in good health. There should be no rigidity, however, about the schools or their curriculum, and there is none that prevents the adaptation of work or of time to the exceptional needs of the few who for one cause or another are unable to do all that the full course requires. If parents will more frequently consult teachers and make known the conditions that affect their children, they will find a willingness and even an anxiety to modify requirements to meet special demands.

Administration. In the last report, the need of an addition to the executive or supervisory force of the schools was set forth at considerable length. Each year increases the necessity for such addition. The introduction of telephones into the fourteen large buildings (at an annual expense, by the way, of \$308) has been of very great assistance in more ways than one. The ability to communicate instantly with the schools is of decided advantage, and saves much traveling and considerable time. Schools cannot be supervised, however, by telephone. The supervisory force should come constantly into personal contact with teachers and pupils. The special committee appointed by the board to consider the subject thought best to let the matter lie over until another year. The recommendation made to that committee I renew here to the board. It is that we follow the example of other cities of our size and employ a supervisor of primary schools. A woman trained and experienced along this line of work could be secured, and would be a re-enforcement that would result in great advantage to the schools.

Athletics. The interest in school athletics is constantly growing, not only among students, but with the public. Unregulated, they are a menace to the schools; properly controlled, they are productive of good. They must be subordinated to scholastic interests. Honors won in the classroom or at college examinations must be held superior to those gained on the ball field. The school teams must fitly represent their schools in conduct and character. They may elevate or discredit the reputation of their schools and their city. Not only should their conduct be sportsmanlike on the field, but clean and manly everywhere. Games should be absolutely free from trickery or ruffianism or baseness of any sort.

For several years the Somerville high schools have stood for what is best in athletics. The long line of victories has been honorably won by their teams. The players have reflected credit on their schools and city, not only by their prowess, but by their gentlemanly demeanor. This condition has not come about by chance, but has been developed by experiment and failure, as well as by success.

The Somerville high schools belong to the Interscholastic League, along with four other high schools.

The interests of the schools and the character of the games are safeguarded by stringent rules. For example:—

1. The governing board consists of one under-graduate, two graduates, and one teacher from each school approved by the head master.

2. The head masters form a board of final appeal.

3. The teachers on the governing board are a committee on games. Two members of this committee must attend each game, with power to settle certain questions that may arise.

4. No student can play on a team unless a bona fide member of the school, taking a full year's work.

5. Nor can he play unless he is taking a course of twelve prepared recitation periods per week in a way to secure promotion.

6. He must also have attained a promotion standard during the previous year.

7. He can take part in no contest unless he is in good and regular standing and maintaining honorable conduct.

8. A student once ruled out of a game for improper play is disqualified for future play until formally reinstated.

These rules ensure intelligent management and a fair standard of scholarship in players.

The Somerville High School Athletic Association manages the athletic interests of the schools through an executive committee made up of three teachers, two graduates, three under-graduates, and the manager and the captain of each team in its playing season. One of the teachers acts as treasurer, and one is present at every league and practice game, accompanies the team on every trip, and is generally present at afternoon practice.

There has been nothing for several years to criticise unfavorably in the management. There has been no disagreement and no wrangling. The financial affairs have been admirably managed. In June, 1900, at the end of the year, there was a deficit of \$4.48. For the four following years the gross expenditure was \$5,790.71, with a cash balance on hand at the end of June, 1904, of \$1,327.88. This shows, also, the popular interest in the games.

Rules have been rigorously enforced and players frequently debarred for low scholastic standing. The head masters and the teachers generally have actively participated in the affairs of the association. More than all else, as contributors towards harmony and success have been the attitude and spirit and co-operation of the students themselves.

The most important person connected with the athletic interests of the schools is the coach. Upon him rests not only much of the responsibility for championship successes, but in a large degree is he also responsible for the morale of the teams.

In his personality and character, in manliness and power, he should be the equal of any teacher. His control should be absolute, and he should allow nothing that in the least detracts from the highest type of sportsmanlike play or gentlemanly conduct.

The leading criticism upon school athletics is that they have been left too largely to student control, and have been loosely managed. While this criticism, as has been shown, does not apply to our association at present, we have shared in the general feeling that there should be a closer affiliation between school authorities and all student activities, such as publications and athletics. Whatever legal difficulties may be in the way of a general movement in this direction in this state will soon be probably removed by legislative enactment. The conditions are propitious for such a change in our city. In the organization everything is harmonious, the treasury is full, we fly the championship banners, the management is efficient, the coaching department is strong, and both the association and the students are ready to welcome the addition to the governing body of representatives from the school board. Certainly matters so closely connected with school interests should come to some extent under the direction of the committee. It would be unwise to wait until troubles arise to compel its intervention.

While wisely-regulated field athletics furnish excellent physical training, this training is limited to the 100 students, more or less, who engage in them. The great body of students are left without physical training of any sort. Something should be done to meet their needs. Some competent physical training director should be employed to arrange and supervise some regular system of training for all high school pupils, indeed for all pupils in the public schools. If fitted for the work, he might be given the management of the athletic teams of both grammar and high schools at the proper season. He should be selected by the school authorities, be paid in whole or in part by them, and be under their direction and control. The person with all the qualifications demanded may be difficult to find, but when found, his services would certainly be of great value. The whole subject is commended to the consideration of the board.

To recapitulate the recommendations made in this report:—

1. Immediate provision of additional high school accommodations.
2. An addition of two rooms to the Hanscom school, or, as an alternative, a new primary building in ward four.
3. An addition of four rooms to the Brown school.
4. The enlargement of the Hodgkins school by the addition of six rooms, and the extension of the schoolhouse lot.
5. The discontinuance of kindergartens whenever they force first-grade children to lose half their school year.
6. Frequent medical inspection of the schools.
7. The continuance of efforts on the part of the board to secure the equipment of manual training rooms.

8. The employment of additional help in the department of school supervision.

9. The establishment of a new grammar school centre, with a master at its head, in the Burns schoolhouse.

10. A connection between the school board and the governing body of the High School Athletic Association.

11. The employment of a director of physical training and athletics.

In closing this report, I wish gratefully to acknowledge the confidence and support of your honorable body, the hearty assistance of supervisors and principals, and the invaluable co-operation of parents and citizens in the work of the schools. Above all, we should recognize our indebtedness to the teachers of the city for the zeal, fidelity, and intelligence with which the arduous labors of the year have been discharged. To them rather than to school officials is to be credited whatever of excellence our schools have reached, and only by their efforts can our high standards be maintained.

G. A. SOUTHWORTH,
Superintendent.

Somerville, December 23, 1904.

AMENDMENTS TO RULES.

Since the last edition of the rules was published, the following amendments have been made:—

SECT. 3. The standing committees of the board shall be as follows:—

(1-7.) On schools in the several districts (or wards), to consist of the two members elected from each district or ward, together with one member elected in a contiguous ward, who shall be selected by the nominating committee referred to in Section 2 and approved by the board.

(8) On additional school accommodations, (9) high schools, and (10) text-books and courses of study, each to consist of one member from each ward.

(11) On evening schools, (12) finance, (13) industrial education, (14) music, (15) private schools, (16) repairs of school buildings, (17) rules and regulations, (18) salaries, (19) supplies, and (20) vacation schools, each to consist of three members from different wards.

The member first named on any standing or special committee shall be chairman thereof.

The mayor and the president of the board of aldermen shall be added as *ex-officiis* members to the committees on finance and additional school accommodations.

The chairman of each district committee for any year shall be the member residing in the district whose term expires at the end of that year. If the term of any member shall expire during the year, the board shall determine the chairmanship of the district committee.

Wherever the word "board" occurs in the rules and regulations, it is understood to refer to the school committee.

SECT. 6. Nine members shall constitute a quorum for the transaction of business, but a smaller number may vote to call the roll, record the names of absentees, and adjourn to a fixed date. Nine votes shall be necessary for the election of any officer or employee of the board.

SECT. 21. The committee on evening schools shall have the general supervision of the evening schools as provided in the general regulations, and shall nominate teachers for them as they are needed.

SECT. 31 (a). The committee on vacation schools shall have in charge the organization and conduct of vacation schools, and the general supervision of the same.

SECT. 41. He shall, at his discretion, in very stormy or excessively hot or cold weather, strike the signal on the fire alarm bells for the omission of the next session of the schools.

SECT. 50. All teachers, supervisors, and other employees of the board shall be nominated by the standing committee having charge of the several districts or departments.

Whenever, in the opinion of said standing committee, it is thought best not to nominate any such person for re-election, such person shall be notified by the committee in writing of their decision at least one month before the April meeting of the board. Any appeal by the aggrieved party from this decision to the full board must be claimed in writing within two weeks after receiving the aforesaid notice. Pending such appeal, no new nomination shall be made by the committee.

SECT. 51. The superintendent, teachers, supervisors, and truant officers shall be elected annually by ballot, or otherwise, as the statutes may direct, at the regular meeting in April, nine votes being necessary to a choice.

Evening school teachers shall be elected in September, and vacation school teachers in June.

Any vacancy occurring during the year may be filled at any meeting of the board. The secretary shall forthwith give written notice to each person elected, who shall be requested to notify the secretary of his acceptance within ten days from the date of the notice. Such election and acceptance shall be subject to the provision of the public statutes that the board may dismiss from employment any teacher whenever it may think proper.

The following has been substituted for the last sentence in the first paragraph of Section 52:—

The salaries of teachers shall be payable in ten equal installments.

SECT. 55 (a). Salaries of evening school teachers shall be fixed in accordance with the following schedule:—

HIGH SCHOOL.

Master	\$6.00	for each evening
Sub-master	4.00	" " "
First assistant	3.00	" " "
Second assistant	2.00	" " "
Third assistant	1.50	" " "

ELEMENTARY SCHOOLS.

Masters of schools with an average attendance of 150 or more,	\$4.00	for each evening
Masters of schools with an average attendance of less than 150,	\$3.00	for each evening
First assistant.....	2.00	" " "
Second assistant	1.50	" " "
Third assistant	1.00	" " "

SECT. 55 (b). Vacation school teachers shall be paid according to the following schedule:—

Principal	\$15.00	for	each	week
First assistant	10.00	"	"	"
Second assistant	7.50	"	"	"
Third assistant	5.00	"	"	"

SECT. 56 (second paragraph). The supervisor of penmanship shall receive a minimum salary of \$1,000, to be increased \$100 annually until a maximum of \$1,500 is reached.

(Eleventh paragraph.) The superintendent's clerk shall be paid \$650, to be increased \$50 annually until a maximum of \$750 is reached.

SECT. 58. The committee on evening schools is empowered to nominate teachers for these schools, to be elected by the board at salaries fixed under the rules.

SECT. 99 (last sentence). Teachers regularly employed in the day schools shall not be eligible for employment in evening schools, except by the vote of the standing committee having their day school or department in charge.

SECT. 101. The school year shall begin and end on such dates as shall be determined annually by the school board at its regular February meeting.

SECT. 102. *Vacations.*—From noon of December 24th to the day after that celebrated as New Year's day; the two weeks that separate the last twenty-four weeks of the school year into three terms of eight weeks each; from the close of the school year to the time fixed for its beginning.

SECT. 136. No school shall be open until fifty persons have pledged themselves to attend regularly. When the average number attending any school for four consecutive sessions is less than twenty-five, the school shall be closed.

SECT. 138. Teachers in the evening schools shall be designated as masters, sub-masters, and first, second, and third assistants. Each elementary school having an average attendance for four consecutive evenings of twenty-five pupils may have a master and one first assistant; an additional first assistant may be allowed for every twenty-five pupils in excess of that number.

SECT. 140. The term of the evening schools shall begin on the first Monday of October, and continue until Christmas. The term of any school may be prolonged by the unanimous action of the evening school committee. The sessions of the evening drawing school shall be held on Tuesday and Thursday evenings; of the other schools, on each week-day evening, except Wednesday and Saturday.

SECT. 145. Vacation school teachers shall be nominated by the committee on vacation schools, and shall be designated as principal, and first, second, and third assistants.

ORGANIZATION OF SOMERVILLE SCHOOLS.

Information concerning our schools is frequently sought by citizens or by school men in other localities. Following are the principal facts concerning them. Additional knowledge may be gained from the Rules and Regulations:—

Kindergartens. The city supports four kindergartens, in the Hanscom, Bennett, Baxter, and Glines schools. Vaccinated children between four and five years of age are admitted to the kindergarten nearest their residence during the months of September and April, and may remain until the July following their fifth birthday. Sessions from 9 to 12.

Head kindergartners receive \$600. One trained assistant is allowed when the number exceeds thirty, at a salary of \$275, \$350, or \$425, according to experience. Kindergarten teachers give five hours daily to their work, the afternoon being employed in visitation, preparation, mothers' meetings, and the like.

Primary Schools. Our elementary school course covers nine years, the first three of which are spent in primary schools. We have no exclusively primary school buildings, the ninety-one primary classes being distributed among twenty-two schoolhouses.

Vaccinated children five years of age, or who will reach that age on or before the first day of October, are admitted during the month of September only, provided they have never attended school before. Children able to enter existing classes will be admitted at any time. Applications for admission should be made to the principal of the school.

Only trained or experienced teachers are employed, the salaries being \$300, \$400, \$500, \$600, or \$650, according to length of service. Normal training is equivalent to a year's experience, and experience in other places is counted in determining salary.

First-grade teachers, with classes numbering fifty, are allowed an assistant, who is paid \$200, \$275, \$350, or \$425, according to years of service.

Grammar Schools. The grammar classes are found chiefly in twelve large buildings, of twelve rooms each. The course covers six years, and includes only those studies which the statute requires, with the addition of music, sewing, and elementary science.

The salaries of grammar school teachers are the same as those of primary teachers. Masters are paid \$1,900, and their assistants \$725. Other ninth-grade teachers are paid \$700.

Promotions. Promotions in all grades, from the first to the thirteenth, are made in June by the regular teacher and the principal, with the approval of the superintendent and district committee. They are based on the estimate of the pupil's daily work made by the teacher and recorded bi-monthly. An occasional brief, unannounced, written test is a factor in this estimate.

Where there is reasonable doubt of a student's fitness, he may be promoted on a trial of three months. In such cases the parent is notified and kept informed of his child's progress. At the end of this probationary period he may be returned to his former grade, provided it seems for his interests. In 1904 less than nine per cent. of those promoted on trial fell back.

Children capable of more rapid advancement may be promoted one or more grades at any time. One hundred twenty-six were thus promoted in 1904.

Fitness for graduation or for admission to the high schools is determined in precisely the same way. Diplomas are given in grammar and high schools to those who have satisfactorily completed full courses.

Latin High School. In September, 1895, in the forty-third year of its existence, the Somerville High school was divided, the classical, or college preparatory, departments remaining in the old building, erected in 1872, and the English departments occupying a new building, erected in 1894-'95.

Some facts concerning the Latin school are presented in the following table:—

School Year.	Average Number Belonging.	Number Entering.	Graduates.	Cost of Instruction.	Per Capita Cost.	Teachers.	Pupils to a Teacher.
1895-6	257	69	50	\$11,702	\$45.57	9	28.6
1896-7	262	81	51	11,840	45.19	9	29.1
1897-8	273	86	55	11,921	43.67	9	30.3
1898-9	264	78	51	11,935	45.21	9	29.3
1899-0	245	65	48	12,491	50.98	9	27.2
1900-1	271	104	56	12,676	46.74	9	30.0
1901-2	314	114	56	12,583	40.13	10	31.4
1902-3	358	125	46	14,170	39.58	11	32.5
1903-4	398	122	73	16,104	40.46	13	30.6

The object of the school is, primarily, to furnish a suitable preparation for those pupils who desire to pursue either a regular or a special course of study at higher institutions of learning, but the school is open to all pupils who wish to take the courses of study offered.

The regular time for completing the course is four years. Pupils, at the request of their parents, can make the work of each

year easier by taking five years for the course. Those who are capable, and have good reason for shortening the time of preparation, are allowed to complete the course in as short a time as their ability will permit.

Graduates of grammar schools are admitted to either High school on presenting a certificate of qualification signed by a master. All other pupils are admitted by an examination in grammar school studies, given usually on the Saturday preceding the opening of the schools in September.

The tuition for non-residents is the per capita cost for the year, payable in advance. The sessions of the school are from 8.30 to 1.30. The salaries paid High school teachers are given on later pages of this report.

English High School. This school was organized in September, 1895. Information concerning it is found in the following table:—

School Year.	Average Number Belonging.	Number Entering.	Graduates.	Cost of Instruction.	Per Capita Cost.	Teachers.	Pupils to a Teacher.
1895-6	456	213	67	\$20,102	\$44.13	21	21.7
1896-7	531	235	70	23,010	43.33	21	25.3
1897-8	535	224	75	24,843	46.44	22	24.3
1898-9	575	231	86	26,159	45.49	23	25.0
1899-0	669	316	83	31,322	46.82	27	24.8
1900-1	691	249	97	32,739	47.35	30	23.0
1901-2	738	294	108	35,989	48.74	34	21.7
1902-3	747	264	135	36,843	49.32	33	22.6
1903-4	728	264	106	36,426	50.04	33	22.1

The course of study covers four years. Graduates are admitted to special courses when the conditions are favorable. Candidates for technical and normal schools take specific preparatory work.

The wide range of elective studies is a distinctive feature of the school. The choice of the first year may be one of the following: Latin, French, German, biology (botany and zoology), manual training, and mechanical drawing. To these physics is added for the second year, and chemistry, geology, and astronomy for the third and fourth. After the second year two or more electives may be taken. Penmanship and commercial arithmetic may be taken the second year.

During the third and fourth years the student may elect in a business course bookkeeping, commercial arithmetic, commercial law, penmanship, stenography, typewriting; in mathematics, advanced algebra, solid geometry, analytical geometry, and trigonometry; in advanced science, work in botany, zoology, physics, chemistry, and drawing.

Of the fifteen periods of prepared work, the course prescribes ten periods the first year, eleven periods the second year, seven periods the third year, and seven periods the fourth year. The pupil has the privilege of selecting from the list of elective studies subjects whose recitation periods each week, or their equivalents, when added to the required prepared work, shall equal the necessary fifteen periods.

Concerning admission, sessions, etc., see Latin school.

A simple, healthful, inexpensive lunch is served at the recess midway of each session to pupils desiring it.

Manual Training. Three rooms are fitted and equipped in the basement of the English High school for its manual training department. The course includes carpentry, wood-turning, and carving, clay modeling, pattern making, moulding, and casting. A fourth room is devoted to mechanical drawing, with a full course. Manual training has not been extended to include grammar schools.

The sub-master in charge of the manual training department is paid \$1,700, and his assistants \$1,700, \$1,200, and \$800.

Sewing. Sewing is taught to the girls in the fifth, sixth, seventh, and eighth grammar grades in weekly lessons of one hour each.

Three special teachers are employed at salaries of \$650.

Music. Weekly instruction in music is given exclusively in the High schools, and in part in the three upper grammar grades by a specialist, who is paid \$1,700. The books used are "The Euterpean," "The Cecilian Series of Music and Song," Nos. 2, 3, and 4, and "The Laurel Song Book."

In the six lower grades musical instruction is given by the regular grade teacher, under the supervision of a specialist, who visits each class once every thirteen days. She is paid \$900. The Normal system of music, with its books and charts, is used.

Gymnastics. In elementary grades the Ling system of Swedish gymnastics is practiced daily. No special teacher is employed.

Recesses. The Latin school has two brief recesses, breaking the daily session into thirds. The English school has a single recess at the end of the third period.

The four lower elementary grades have a five-minute recess midway of each session. The five upper grammar grades have no recess, though no unreasonable physical restraint is placed upon any pupil.

No detention of pupils is allowed at noon, and but a half-hour's detention at the close of the afternoon session, "for wilful neglect of duty only."

Corporal Punishment. Corporal punishment, "which includes any infliction of physical pain or application of physical force," is not prohibited. It must, however, not be administered

until twenty-four hours after the offense, the approval of the principal being first obtained. Each case must be reported in detail to the Superintendent. There were 270 cases in 1900, 284 in 1901, 328 in 1902, 299 in 1903, and 293 in 1904.

Drawing. Two teachers of drawing are employed in the English High school at salaries of \$1,000 and \$600. In that school freehand drawing is compulsory for first-year pupils, and elective for all others. Drawing is not taught in the Latin school. A few Latin school pupils are taught drawing in the English school.

In the primary grades daily lessons, and in the grammar grades semi-weekly lessons, are given by the regular teacher, under the direction of a supervisor, who visits each class once a month, and is paid \$1,000.

The course includes pictorial drawing from nature, models, and objects; structural drawing from type solids; decorative drawing, designing, and color work, historic ornament and picture-study. No drawing books are used. Colored pencils are provided in primary grades, and water-colors and brush in grammar grades.

Penmanship. Intermedial slant writing is in use in the elementary schools, the Whitehouse system being used. The supervisor visits each class once in four weeks, and receives \$1,500.

Student Teachers. At the present time one student teacher is employed in the Latin school, and two in the English. Each serves without pay, under the direction of the head master.

The Public Library. The English school has a working library of 1,200 volumes, but it draws constantly on the public library, located in an adjoining building.

For four years there has been a constant use of the library by school children. Circulating libraries of fresh books are in use in the smaller buildings. Books are delivered and collected each week at the large grammar schools. As far as they can, the teachers aid in the selection of books by the children, and the librarian and his assistants cheerfully render all the help in their power.

Evening Schools. An evening high school is maintained in the English High school building on four evenings a week, from 7.30 to 9.30. The principal is paid \$7, and his assistants \$4, \$3, \$2, and \$1.50. Any high school study may be pursued. An evening drawing school for freehand and mechanical work is open in the English schoolhouse from October to April, on Tuesday and Thursday evenings, from 7.30 to 9.30. The principal is paid \$6, and assistants \$3 and \$4 an evening.

Elementary evening schools are open in the Prescott, Bell, Forster, and Highland buildings from October 1 on four evenings a week, from 7.30 to 9.30. The length of the term is de-

pendent on the interest and attendance. The course of study followed is that prescribed by the statute. Principals receive \$4 or \$5, and assistants \$2.50, \$2, \$1.50, or \$1 each evening.

Truants. The city employs one active truant officer, who is paid \$1,100 and the board of his horse. Truants are sent to the county truant school at North Chelmsford. There are now five truants from Somerville in the school.

Janitors. These important officers are appointed by the commissioner of public buildings, and are under his direction and that of the school principal. Their salaries will be found on the last page of this report.

Supervision. The superintendent of schools is the executive officer of the board, and upon him devolves the general management of the schools under its direction. He serves as the secretary of the board and as supply agent. His salary is \$3,000, and he is allowed a clerk, who receives \$750. His office is in the City Hall Annex, and his hours are from 4 to 5 each school day, and from 8 to 9 on Saturday. His office is open from 8 to 12 and from 1.30 to 5 on school days, and from 8 to 10 on Saturday.

The meetings of the school board are held on the last Monday evening of each month, except July, August, and December, at 8.15 o'clock.

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TABLE 1.—SCHOOLHOUSES.

	NAME.	No. of Classrooms.	Size of Lot.	Valuation, including Furniture.	When built.	No. of years used.	Enlargements.
1	Latin High . . .	a13	.....	\$62,000	1871	33	
2	English High . .	b19	.....	137,600	1895	9	
3	Prescott	12	22,000	66,250	1867	37	
4	Knapp	12	24,517	50,340	1889	15	4 rooms added 1894
5	Pope	12	27,236	80,860	1891	13	
6	Bell	12	22,262	45,340	1874	30	
7	Edgerly	12	24,000	44,250	1871	33	{ 4 rooms added 1882 4 rooms added 1892
8	Glines	14	28,800	80,800	1891	13	5 rooms added 1896
9	Forster	18	30,632	85,350	1866	38	6 rooms added 1899
10	Bingham	16	35,586	60,000	1886	18	{ 4 rooms added 1894 8 rooms added 1904
11	Carr	16	20,450	53,800	1898	6	
12	Morse	12	29,000	48,200	1869	35	6 rooms added 1890
13	Highland	12	23,260	60,560	1880	24	4 rooms added 1891
14	Hodgkins	12	35,034	71,550	1896	8	
15	Bennett	12	17,000	59,248	1902	2	
16	Burns	8	16,080	34,700	1886	18	4 rooms added 1899
17	Lowe	8	21,650	51,826	1903	1	
18	Hanscom	6	12,756	49,580	1897	7	
19	Baxter	6	11,000	32,956	1901	3	
20	Perry	6	46,080	37,000	1899	5	
21	Brown	6	20,093	39,690	1901	3	
22	Davis	4	30,155	22,720	1884	20	
23	Cummings . . .	4	11,300	11,920	1884	20	
24	Durell	4	13,883	19,720	1894	10	
25	Lincoln	4	17,662	18,220	1885	19	
	Total	260	.....	\$1,324,480	....	..

(a) Including six recitation rooms. There are also a physical laboratory and three teachers' rooms.

(b) A chemical, a physical, a biological laboratory, a recitation room, a lecture hall, drawing room, two teachers' rooms, library, and principal's office. Four manual training rooms and lunch room in basement.

The biological and physical laboratories and the lecture hall furnish four classrooms.

TABLE 2.—COST OF MAINTAINING SCHOOLS, 1904.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$16,506 75	\$1,824 38	\$1,380 04	\$19,711 17
English High . . .	38,146 42	3,147 32	5,618 38	46,912 12
Prescott	10,775 42	1,515 14	652 13	12,942 69
Knapp	10,666 12	1,442 93	706 93	12,815 98
Pope	10,416 74	2,225 78	737 13	13,379 65
Bell	10,475 61	1,219 39	573 96	12,268 96
Edgerly	10,613 11	1,370 23	785 73	12,769 07
Glines	12,734 65	1,132 88	669 48	14,537 01
Forster	14,689 45	3,582 55	776 08	19,048 08
Bingham	11,385 74	1,506 67	1,498 59	14,391 00
Carr	13,448 53	2,082 67	867 04	16,398 24
Morse	11,541 21	2,073 57	939 91	14,554 69
Highland	10,555 30	2,478 35	1,066 89	14,100 54
Hodgkins	10,804 52	1,812 78	823 13	13,440 43
Bennett	9,149 77	1,478 48	377 95	11,006 20
Burns	7,032 81	944 21	380 29	8,357 31
Lowe	6,071 13	1,311 32	285 89	7,668 34
Hanscom	5,288 80	865 12	262 23	6,416 15
Baxter	4,842 98	806 75	228 45	5,878 18
Perry	4,357 81	1,214 64	252 42	5,824 87
Brown	4,251 08	1,083 07	236 01	5,570 16
Davis	2,966 77	839 24	97 11	3,903 12
Cummings	2,837 52	632 75	151 23	3,621 50
Durell	3,037 74	690 50	136 83	3,865 07
Lincoln	3,196 45	607 31	293 29	4,097 05
Evening	9,265 75	1,123 78	1,487 55	11,877 08
Vacation	422 50		126 58	549 08
Totals	\$255,480 68	\$39,011 81	\$21,411 25	\$315,903 74

TABLE 3.—PER CAPITA COST OF MAINTAINING SCHOOLS, 1904.

SCHOOLS.	Teachers.	Care.	Supplies.	Total.
Latin High . . .	\$40 76	\$4 50	\$3 41	\$48 67
English High . . .	50 66	4 18	7 46	62 30
Prescott	20 10	2 83	1 22	24 15
Knapp	20 79	2 81	1 38	24 98
Pope	20 19	4 31	1 43	25 93
Bell	19 84	2 31	1 09	23 24
Edgerly	20 29	2 62	1 50	24 41
Glines	20 81	1 85	1 09	23 75
Forster	20 07	4 89	1 06	26 02
Bingham	19 60	2 59	2 58	24 77
Carr	19 00	2 94	1 22	23 16
Morse	19 50	3 50	1 59	24 59
Highland	20 30	4 77	2 05	27 12
Hodgkins	19 36	3 25	1 48	24 28
Bennett	19 63	3 17	81	23 61
Burns	17 54	2 35	95	20 84
Lowe	16 54	3 57	78	20 89
Hanscom	17 34	2 84	86	21 04
Baxter	18 84	3 14	89	22 87
Perry	16 96	4 73	98	22 67
Brown	16 80	4 28	93	22 01
Davis	15 78	4 46	52	20 76
Cummings	17 85	3 98	95	22 78
Durell	17 46	3 97	78	22 21
Lincoln	16 82	3 20	1 54	21 56
High schools	\$47 20	\$4 29	\$6 04	\$57 53
Gram. and primary . .	20 21	3 43	1 45	25 09
All schools	23 03	3 52	1 93	28 48
Gram. and prim. with- out evening and vaca- tion schools	19 24	3 31	1 29	23 84
All schools without evening and vacation schools	22 16	3 42	1 78	27 36

**TABLE 4.—ANNUAL COST OF MAINTAINING THE SCHOOLS
FOR A SERIES OF YEARS.**

Amounts are given to the nearest dollar and include what has been paid for maintaining day and evening schools of all grades.

YEAR.	Average Member- ship.	Instruction and Supervision.	Water and Light.	Heating.	Janitors.	School Supplies.	Total.
1885	4,904	\$79,506	\$728	\$4,965	\$4,000	\$8,449	\$97,648
1886	4,985	83,542	624	4,929	4,194	6,676	99,865
1887	5,198	86,713	765	6,475	5,084	7,526	106,563
1888	5,488	88,967	953	7,121	5,892	7,421	110,354
1889	5,956	96,466	805	6,081	6,448	9,903	119,703
1890	6,486	104,184	1,004	5,586	7,539	10,371	128,684
1891	6,502	114,066	1,047	8,032	8,544	13,899	145,588
1892	7,035	124,232	1,064	7,148	9,794	12,944	155,183
1893	7,217	128,720	1,014	8,312	10,160	10,137	158,333
1894	7,212	132,919	958	9,673	10,686	10,919	165,155
1895	7,617	144,113	1,398	8,796	11,581	15,063	180,951
1896	8,077	161,551	1,469	9,962	14,160	17,601	204,743
1897	8,589	180,222	1,920	10,065	16,251	14,815	223,273
1898	9,085	189,244	2,075	9,767	17,393	14,986	233,465
1899	9,502	197,660	2,472	10,821	17,831	16,131	244,915
1900	9,823	212,863	1,729	10,840	19,236	15,735	260,403
1901	9,991	226,556	1,731	13,723	20,078	18,707	280,796
1902	10,402	234,210	1,803	10,489	20,859	19,386	286,747
1903	10,719	242,964	2,015	18,052	21,042	20,873	304,946
1904	11,094	255,481	1,436	15,315	22,024	21,648*	315,904

*Including cost of telephones.

TABLE 5.—ANNUAL COST PER CAPITA OF MAINTAINING SCHOOLS

FOR A SERIES OF YEARS.

[Based on the average membership.]

YEAR.	Instruction and Supervision.	Janitors, Water, Heat, and Light.	School Supply Expenses.	Total.	Assessors' Valuation of City.	Ratio of Cost of School Maintenance to Valuation.
1885	\$16 21	\$1 98	\$1 72	\$19 91	\$24,878,400	.00392
1886	16 76	1 94	1 34	20 03	26,003,200	.00384
1887	16 68	2 37	1 45	20 50	27,469,300	.00388
1888	16 21	2 54	1 36	20 11	28,756,400	.00384
1889	16 20	2 24	1 66	20 10	30,004,600	.00399
1890	16 06	2 18	1 60	19 84	32,557,500	.00395
1891	17 54	2 71	2 14	22 39	36,843,400	.00395
1892	17 66	2 56	1 84	22 06	38,093,100	.00407
1893	17 84	2 70	1 40	21 94	41,773,600	.00379
1894	18 43	2 96	1 51	22 90	44,142,900	.00374
1895	18 92	2 86	1 98	23 76	46,506,300	.00390
1896	20 00	3 17	2 18	25 35	49,013,050	.00418
1897	20 98	3 29	1 73	26 00	50,173,775	.00444
1898	20 83	3 22	1 65	25 70	50,739,700	.00460
1899	20 80	3 28	1 70	25 78	51,202,350	.00478
1900	21 67	3 24	1 60	26 51	52,513,400	.00496
1901	22 67	3 56	1 87	28 10	53,924,200	.00521
1902	22 52	3 19	1 86	27 57	55,485,370	.00517
1903	22 67	3 84	1 95	28 46	56,981,360	.00535
1904	23 03	3 52	1 93	28 48	58,056,700	.00544

TABLE 6.—AMOUNT SPENT ANNUALLY FOR ALL SCHOOL PURPOSES

FOR A SERIES OF YEARS.

YEAR.	For New Schoolhouses.	For Repairs and Permanent Improvements.	For Maintaining Schools.	Amount Spent for all School Purposes.
1885	\$19,185	\$7,052	\$97,648	\$113,885
1886	15,515	8,706	99,865	114,086
1887	14,839	13,636	106,563	135,038
1888	4,996	13,994	110,354	129,344
1889	20,167	14,225	119,703	154,095
1890	75,775	19,168	128,684	223,627
1891	84,902	14,847	145,588	245,337
1892	12,679	17,734	155,183	176,001
1893	22,809	12,440	158,333	193,582
1894	82,206	44,764	165,155	292,125
1895	87,680	15,651	180,951	284,282
1896	61,016	33,240	204,743	298,999
1897	46,621	20,507	223,273	290,400
1898	49,983	21,274	233,465	304,722
1899	72,516	15,637	244,915	333,068
1900	51,232	21,745	260,403	333,380
1901	49,203	11,000	280,796	340,999
1902	56,501	13,079	286,747	356,327
1903	59,822	12,261	304,946	377,029
1904	23,703	18,209	315,904	357,816

TABLE 8.—ATTENDANCE OF THE PUBLIC SCHOOLS, 1904.

Rooms Occupied in December.	SCHOOLS.	Annual Enrollment.	Average Membership.	Average Attendance.	Per cent. of Attendance.	No. Attending in January.	No. Attending in December.	Average No. to Classroom in December.
13	Latin High . . .	429	405	389	96.2	404	422	
19	English High . . .	790	753	722	95.9	737	811	
12	Prescott . . .	675	536	502	93.7	541	590	49.2
13	Knapp . . .	600	513	488	95.2	486	565	43.5
12	Pope . . .	621	516	487	94.5	531	537	45.0
12	Bell . . .	598	528	508	95.4	505	540	45.0
12	Edgerly . . .	630	523	491	93.8	529	570	47.5
14	Glines . . .	788	612	578	95.0	603	668	47.7
18	Forster . . .	874	732	691	94.4	748	763	42.4
16	Bingham . . .	717	581	545	93.7	573	666	41.6
17	Carr . . .	846	708	660	93.2	701	770	52.5
12	Morse . . .	740	592	555	94.0	633	594	49.5
12	Highland . . .	599	520	494	94.8	532	542	45.0
12	Hodgkins . . .	660	558	533	95.5	538	607	46.7
12	Bennett . . .	671	466	423	91.1	441	510	41.8
8	Burns . . .	537	401	371	92.6	419	399	49.9
8	Lowe . . .	501	367	336	91.6	365	393	48.6
6	Hanscom . . .	461	305	282	93.0	332	282	47.0
6	Baxter . . .	382	257	235	91.7	272	253	42.0
6	Perry . . .	371	257	242	94.0	276	266	44.3
6	Brown . . .	302	253	235	92.8	245	283	47.2
4	Davis . . .	261	188	171	91.2	190	185	46.3
4	Cummings . . .	231	159	145	91.2	158	168	42.0
4	Durell . . .	243	174	163	93.8	177	189	47.2
4	Lincoln . . .	277	190	176	92.7	192	214	53.0
262	Total . . .	13,804	11,094	10,422	93.9	11,128	11,787	48.2
241	Total for 1903 . .	13,475	10,719	10,056	93.9	10,791	11,357	46.4

TABLE 9.—STATISTICS OF HIGH SCHOOLS FOR SCHOOL YEAR, SEPTEMBER 14, 1903, TO JUNE 30, 1904.

	Latin.	English.
Number of teachers	13	33
Number of days school kept	174	174
Number enrolled	415	803
Average number belonging	398	728
Average daily attendance	381	697
Per cent. of attendance	95.8	95.7
Tardiness	226	252
Dismissals	221	205
In Class I. September, 1903	122	264
June	114	236
Per cent. of loss	6.5	10.6
In Class II. September, 1903	107	195
June	100	195
Per cent. of loss	6.5	12.3
In Class III. September, 1903	94	182
June	90	162
Per cent. of loss	4.	11.0
In Class IV. September, 1903	85	117
June	80	109
Per cent. of loss	8.9	11.3
Special students, September, 1903	2	18
June	2	10
Total, September, 1903	410	776
June	386	688
Per cent. of loss	6.0	11.3
Number of graduates, male	37	25
Number of graduates, female	36	81
Total	73	106
Average age, male	18-7	19-2
Average age, female	18-3	18-9
Number entering college	44	2
Number of graduates entering technical schools	1	6
Number of graduates entering normal schools	1	13
Cost of instruction	\$16,104 50	\$36,426 25
Cost of supplies and equipment	1,364 76	5,187 86
Total cost	17,469 26	41,614 11
Per capita cost of instruction	40 46	50 04
Per capita cost of supplies and equipment	3 43	7 12
Total cost per capita	43 89	57 16

TABLE 10.—PUPILS BY GRADES, 1904.

SCHOOL.	GRADE.	TEACHERS.			PUPILS.			Average Age.		Never in School Before.	From Other City Schools.	From Other Schools.
		Men.	Women.		Boys.	Girls.	Total.	Years.	Months.			
			Regular.	Assistants.								
Latin	Thirteenth . . .	....	..	....	41	40	81	18	4	.....	2	3
"	Twelfth . . .	....	....	....	42	51	93	17	2	.....	1	4
"	Eleventh . . .	....	....	....	43	69	112	15	11	.....	3	5
"	Tenth . . .	....	....	....	49	87	136	15	6	.....	126	14
	Total . . .	5	8	....	175	247	422	..	.....	.....	132	26
English	Special . . .	....	....	....	3	15	18	18	7	.....	6	.....
"	Thirteenth . . .	....	....	....	60	88	148	18	4	.....	.....	1
"	Twelfth . . .	....	....	....	60	98	158	17	7	.....	9	5
"	Eleventh . . .	....	....	....	98	122	220	16	7	.....	3	15
"	Tenth . . .	....	....	....	115	152	267	15	8	.....	266	22
	Total . . .	10	25	....	336	475	811	....	.....	.....	284	43
	Total high school .	15	33	....	511	722	1,233	....	.....	.....	416	69
Grammar	Ninth . . .	10	17	....	262	368	630	14	9	.....	26	26
"	Eighth . . .	....	19	....	386	465	851	13	10	.....	49	57
"	Seventh . . .	....	24	....	489	514	1,003	12	11	....	160	95
"	Sixth . . .	....	24	1	560	554	1,114	11	11	.....	229	98
"	Fifth . . .	....	28	....	636	567	1,203	11	0	.....	267	158
"	Fourth . . .	....	28	1	660	607	1,267	9	10	.....	227	168
	Total gram-mar . . .	10	140	2	2,993	3,075	6,068	....	.....	.....	958	602
Primary	Third . . .	....	28	1	643	636	1,279	8	8	.....	180	194
"	Second . . .	....	32	....	757	667	1,424	7	6	4	214	207
"	First . . .	....	34	2	824	762	1,586	6	2	1,156	184	231
	Total pri-mary . .	....	94	3	2,224	2,065	4,289	....	.....	1,160	578	632
	Total gram-mar and primary .	10	234	5	5,217	5,140	10,357	....	.....	1,160	1,536	1,234
	Kindergarten .	....	4	4	112	85	197	4	7	206	.....	7
	Special teach-ers	2	5	....	.....	.....	.....	.....	.....	.....	.....	.....
	Grand totals	27	276	9	5,840	5,947	11,787	....	.....	1,366	1,952	1,310

TABLE 11.—PUPILS IN HIGH AND GRAMMAR SCHOOLS.

	High Schools.	Grammar and Primary Schools.	Kinder- gartens.	Total.
Annual enrollment	1,219	12,172	413	13,804
Average membership	1,158	9,748	188	11,094
Average attendance	1,111	9,149	162	10,422
Per cent. of attendance . . .	95.9	93.9	86.2	93.9
Number cases of tardiness . .	500	3,387	...	3,887
Number cases of dismissal . .	469	1,704	...	2,173
Number cases of punishment . .	...	293	...	293
Membership, January, 1904 . .	1,141	9,801	186	11,128
Membership, December, 1904 .	1,233	10,357	197	11,787
Average number to a room . .		48.2	49.3	48.2

TABLE 12.—NUMBER OF PUPILS ADMITTED TO GRADE I.
IN SEPTEMBER.

SCHOOL.	1900.	1901.	1902.	1903.	1904.	SCHOOL.	1900.	1901.	1902.	1903.	1904.
Prescott . .	56	49	69	53	63	Glines . .	70	70	80	65	48
Hanscom . .	56	42	41	75	38	Forster . .	69	80	77	65	76
Davis . . .	27	37	43	50	42	Bingham . .	65	78	84	74	78
Bennett . .	41	41	73	98	92	Carr . . .	50	61	44	59	59
Baxter . . .	.....	34	35	27	38	Morse . . .	64	75	76	78	67
Knapp . . .	73	40	38	38	50	Durell . .	34	40	44	33	38
Perry . . .	42	48	42	49	50	Burns . . .	64	68	71	57	58
Pope	42	26	37	37	40	Highland . .	77	44	51	.....	.....
Bell	43	34	37	36	38	Hodgkins . .	61	70	61	33	51
Cummings .	31	31	39	40	37	Lincoln . .	33	25	35	40	38
Edgerly . .	24	36	51	33	40	Brown . . .	.....	40	56	33	26
						Lowe . . . .	.....	.....	.....	95	89

TABLE 13.—GRAMMAR SCHOOL GRADUATES, 1904.

SCHOOLS.	Number receiving Diplomas.	Number certificated for High School.		Number entering Latin School.		Number entering English School.		Total.	
		Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.	Conditionally.	Unconditionally.
Prescott . .	31	4	27	..	7	2	14	2	21
Knapp . .	38	10	26	..	1	6	18	6	19
Pope . .	36	6	23	1	7	2	12	3	19
Bell . .	35	4	35	2	12	1	17	3	29
Edgerly . .	44	4	40	..	9	1	26	1	35
Glines . .	36	4	30	..	4	2	20	2	24
Forster . .	84	11	72	1	33	8	23	9	56
Carr . .	43	3	31	1	10	3	13	4	23
Morse . .	46	6	34	..	10	4	16	4	26
Highland . .	79	11	67	1	15	6	44	7	39
Hodgkins . .	40	5	35	..	10	3	22	3	32
Total . .	512	68	420	6	118	38	225	44	323

TABLE 14.—TRUANT STATISTICS.

	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
Number visits of officer to schools	427	415	538	501	470	435	525	429
Absences investigated . . .	342	411	448	470	502	384	521	387
Cases of truancy	110	135	158	105	106	163	152	146
Truants arrested	10	7	6	6	8	..	24	8
Sent to truant school . . .	8	6	6	4	9	6	9	5
Number now in truant school .	..	9	7	4	10	9	5	5

**TABLE 15.—ATTENDANCE IN ELEMENTARY EVENING
SCHOOLS, SEASON OF 1903-1904.**

		Prescott.	Bell.	Forster.	Highland.	Total.
Enrolled . . .	Male	72	356	96	115	639
	Female	25	108	37	50	220
	Total	97	464	133	165	859
Ave. membership .	Male	42	192	39	39	312
	Female	16	61	20	28	125
	Total	58	253	59	67	437
Ave. attendance .	Male	37	143	27	27	234
	Female	12	47	15	20	94
	Total	49	190	42	47	328
Per cent. Att. out of No. belonging . . .	. . .	84.5	75.1	71.2	70.2	75.1
Per cent. Att. out of enrollment . . .	. . .	50.5	40.9	31.6	28.5	38.2
Ave. No. of teachers	Male	2	4	2	2	10
	Female	2	15	3	3	23
	Total	4	19	5	5	33
No. of sessions .	. . .	98	98	96	77	369
Teachers, cost of .	. . .	\$907 50	\$3,576 00	\$897 50	\$721 00	\$6,102 00
Janitors, supplies, and light, cost of .	. . .	197 38	573 17	230 98	182 67	1,184 20
	Total	\$1104 88	\$4,149 17	\$1128 48	\$903 67	\$7,286 20
Cost per pupil per evening . . .	. . .	\$0 230	\$0 223	\$0 280	\$0 250	\$0 235
Cost per evening .	. . .	11 27	42 34	11 76	11 74	19 72
Cost per pupil in ave. membership . . .	. . .	19 05	16 40	18 96	13 49	16 67
Cost per pupil in ave. attendance . . .	. . .	22 55	21 84	26 87	19 23	22 21

Average attendance: — October . . . 433 November . . . 386
 December . 332 January . 284 February . 267 March . 223

TABLE 15 (Concluded). — Evening Drawing School, Season of 1903-1904.

		Industrial.	Freehand.	Total.
Enrolled	Male	111	51	162
	Female	2	27	29
	Total	113	78	191
Ave. membership . . .	Male	66	25	91
	Female	1	10	11
	Total	67	35	102
Ave. attendance . . .	Male	50	16	66
	Female	1	7	8
	Total	51	23	74
Per cent. attendance out of No. belonging . . .	Male	75.8	64.0	72.5
	Female	100.0	70.0	72.7
	Total	76.1	65.7	72.6
Per cent. attendance out of enrollment	Male	45.0	31.4	40.7
	Female	50.0	25.9	27.6
	Total	45.1	29.5	38.7
No. of teachers	Male	4	..	4
	Female	..	2	2
	Total	4	2	6

Cost of instruction	\$1,097 00
Cost of supplies, janitors, and light	281 40
Total cost	\$1,378 40
Cost per capita (average membership)	13 51
Cost per capita (average attendance)	18 63
Cost per pupil per evening	0 388
Number of sessions	48
Average attendance:—	
October 99	January 70
November 80	February 63
December 71	March 63

TABLE 16.—GRAMMAR SCHOOL GRADUATES

FOR A SERIES OF YEARS.

Year.	Prescott.	Bell.	Forster.	Morse.	Highland.	Elderly.	Pope.	Knapp.	Hodgkins.	Glines.	Carr.	Total.	Average Membership of Grammar and Primary Schools.	Per cent. of Average Membership Graduating.	Entered High School.	Per cent. entering of those Graduating.
1885	51	73	28	30	29							211	4,584	4.60	155	73.46
1886	60	66	26	23	22							197	4,635	4.25	133	67.51
1887	52	67	28	37	37							221	4,849	4.56	146	66.06
1888	54	64	34	41	50							243	5,109	4.75	156	64.19
1889	59	91	48	42	41							281	5,568	5.04	169	60.14
1890	54	106	45	56	57							318	6,062	5.24	184	57.86
1891	44	73	41	55	44	39						296	6,035	4.90	199	67.23
1892	41	36	75	49	45	49	36	39				370	6,525	5.67	228	61.62
1893	40	60	48	63	67	46	36	38				398	6,674	5.97	240	60.30
1894	39	29	79	66	68	41	35	32				389	6,600	5.89	253	65.04
1895	36	32	58	63	73	42	36	34				374	6,955	5.37	255	68.18
1896	38	34	72	38	70	46	37	35				370	7,201	5.13	281	76.00
1897	34	39	50	48	41	29	30	25	45	27		368	7,602	4.84	273	74.19
1898	36	43	61	46	36	50	36	28	41	35		382	8,029	4.75	281	73.56
1899	37	50	62	48	49	40	34	34	39	37	38	468	8,351	5.60	345	73.72
1900	36	45	43	31	43	47	44	34	42	36	33	434	8,689	4.99	317	73.00
1901	34	38	70	43	72	47	43	38	41	35	36	497	8,811	5.64	372	74.80
1902	41	48	61	45	67	46	35	31	32	40	51	497	9,328	5.33	350	70.40
1903	34	45	62	35	65	51	28	34	52	31	47	484	9,362	5.17	354	73.14
1904	31	35	84	46	79	44	36	38	40	36	43	512	9,739	5.26	367	71.68
	851	1,074	1,045	905	1,055	617	466	440	332	277	248	7,310	138,639	5.27	4,998	68.37

TABLE 17.—ATTENDANCE STATISTICS
FOR A SERIES OF YEARS.

DECEMBER.	ENROLLMENT.	Average Membership.	Average Attendance.	Per cent. of Attendance.	Number of Tardinesses.	Ratio of Tardiness to Average Attendance.
1885	6,276	4,904	4,627	94.4	2,480	0.536
1886	6,350	4,985	4,678	93.8	2,834	0.606
1887	6,605	5,198	4,879	93.8	2,699	0.553
1888	7,262	5,488	5,174	94.0	2,938	0.549
1889	7,757	5,956	5,585	93.8	2,780	0.498
1890	7,878	6,485	6,075	93.6	3,133	0.516
1891	8,510	6,502	6,091	93.7	3,182	0.522
1892	9,120	7,035	6,608	93.9	3,181	0.481
1893	9,632	7,217	6,790	94.1	3,375	0.497
1894	9,387	7,212	6,840	94.8	3,000	0.419
1895	9,913	7,617	7,255	95.2	2,736	0.377
1896	10,582	8,077	7,663	94.9	2,743	0.358
1897	11,293	8,589	8,144	94.8	2,486	0.305
1898	11,577	9,085	8,636	95.1	2,941	0.341
1899	11,975	9,502	8,965	94.3	2,566	0.286
1900	12,345	9,823	9,174	93.4	2,759	0.300
1901	12,499	9,991	9,350	93.6	2,937	0.294
1902	13,116	10,402	9,733	93.5	3,335	0.343
1903	13,475	10,719	10,056	93.9	3,428	0.342
1904	13,804	11,094	10,422	93.9	3,887	0.373

TABLE 18.—MEMBERSHIP, ETC., OF HIGH SCHOOL
FOR A SERIES OF YEARS.

YEAR.	Average Membership all Schools.	Largest Number in High School.	Per cent. of Average Membership of all Schools.	Number of Graduates of High School.	Per cent. of Average Membership of all Schools.
1867	2,157	119	5.51	7	0.32
1868	2,285	141	6.17	17	0.75
1869	2,480	158	6.37	25	1.01
1870	2,639	165	6.25	16	0.65
1871	2,549	161	6.31	33	1.29
1872	2,799	186	6.64	21	0.75
1873	3,217	190	5.91	28	0.87
1874	3,265	198	6.06	26	0.79
1875	3,515	213	6.06	31	0.88
1876	3,712	226	6.09	33	0.81
1877	3,788	227	5.91	37	0.98
1878	3,992	250	6.26	31	0.78
1879	4,169	246	5.90	34	0.82
1880	4,278	254	5.93	27	0.63
1881	4,064	256	6.29	34	0.84
1882	4,263	280	6.57	33	0.77
1883	4,438	278	6.26	43	0.97
1884	4,804	315	6.55	46	0.96
1885	4,904	385	7.85	46	0.94
1886	4,985	374	6.70	56	1.12
1887	5,198	387	7.44	53	1.02
1888	5,488	435	7.92	60	1.09
1889	5,956	444	7.45	67	1.12
1890	6,485	487	7.51	60	0.93
1891	6,502	535	8.23	68	1.05
1892	7,035	577	8.20	80	1.14
1893	7,217	626	8.67	82	1.14
1894	7,274	691	9.50	111	1.52
1895	7,617	775	10.17	92	1.21
1896	8,077	858	10.62	119	1.47
1897	8,589	885	10.31	121	1.59
1898	9,085	890	9.80	130	1.43
1899	9,502	985	10.70	137	1.49
1900	9,823	1,031	10.49	131	1.33
1901	9,991	1,098	10.99	152	1.52
1902	10,402	1,138	10.94	164	1.58
1903	10,719	1,208	11.27	181	1.70
1904	11,094	1,286	11.60	179	1.61

TABLE 19.—PROMOTIONS FOR SCHOOL YEAR ENDING JUNE 30, 1904.

GRADE.	On June Promotion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped back after Three Months' Trial.
I	1,594	1,163	70	340	21	11	4
II	1,315	1,030	103	169	13	11	9
III	1,230	1,016	122	92	..	10	7
IV	1,155	958	98	97	2	10	13
V	1,125	874	126	124	1	4	6
VI	1,075	814	120	125	16	18	12
VII	896	662	143	88	3	1	11
VIII	690	523	119	48	..	1	16
IX	532	420	68	44	..	4	4
Total	9,612	7,460	969	1,127	56	70	82

Percentage of Promotions for School Year Ending June 30, 1904.

GRADE.	On June Promotion List.	Unconditionally Promoted to Next Grade.	Promoted on Trial.	Left Behind.	Promoted more than One Grade.	Special Promotions between September and June.	Promotees Dropped back after Three Months' Trial.
I	100	73.0	4.4	21.3	1.3	0.7	5.7
II	100	78.3	7.8	12.9	1.0	0.8	8.7
III	100	82.6	9.9	7.5	....	0.8	5.7
IV	100	82.9	8.5	8.4	0.2	0.9	13.3
V	100	77.7	11.2	11.0	0.1	0.4	4.8
VI	100	75.7	11.2	11.6	1.5	1.7	10.0
VII	100	73.9	16.0	9.8	0.3	0.1	7.7
VIII	100	75.8	17.2	7.0	....	0.1	13.4
IX	100	78.9	12.8	8.3	....	0.8	5.9
Total	100	77.6	10.1	11.7	0.6	0.7	8.5

TABLE 20.—RESIGNATIONS OF TEACHERS.

SCHOOL.	Teacher.	Resignation Took Effect.	In Service.
Latin High .	Florence H. Paul,	June 24.	12 years.
Latin High .	A. Florence Moulton,	"	7 "
English High .	Jonathan Leonard,	"	2 "
English High .	Bertha P. Chase,	Feb. 26.	2 " 6 mos.
English High .	Grace E. Lord,	May 13	1 " 8 "
English High .	Esther Bailey,	June 24.	10 "
Hanscom . .	Florence A. Colgate,	Sept. 26.	3 "
Baxter . . .	H. Gertrude Edgerly,	" 30.	7 "
Pope	Lillian C. Albee,	May 31.	12 "
Forster . . .	A. Gertrude Deane,	June 24.	5 "
Forster . . .	Maude L. Kent,	"	11 "
Brown	Alice A. Dennen,	May 31.	7 "
Highland . .	Frances A. Darrah,	Oct. 7.	6 months.
Hodgkins . .	M. Emily Hodge,	Oct. 31.	1 year.
Lowe	Florence M. Hamlin,	Nov. 23.	15 "
Lowe	Florence M. Phillips,	"	1 " 4 mos.
Burns	Grace M. Bickford,	Dec. 23.	1 " 4 "

TABLE 21.—TEACHERS ELECTED IN 1904.

SCHOOL.	Teacher.	Coming From	Began Service.	Salary.
Latin High . .	Frederick C. Hosmer,	Somerville.	Sept. 7.	\$900
Latin High . .	Miriam Thayer,	Braintree.	"	900
English High .	Frederick O. Smith,	Malden.	"	1,200
English High .	Jessamine D. Wolcott,	"	"	1,000
English High .	H. Adelaide Hamlin,	Somerville.	"	900
English High .	Ruth Tousey,	Somerville.	"	900
English High .	Anna Pushee,	Somerville.	"	900
English High .	Nellie H. Swift,	Quincy.	May 16.	800
English High .	Blanche Bradford,	Somerville.	Nov. 2,'03.	600
Prescott . . .	A. Louise Bean,	Everett.	Sept. 7.	650
Hanscom . . .	Helen S. Woodman,	Everett.	"	650
Bennett . . .	Caro G. Graydon,	Malden.	"	650
Baxter . . .	Ethelyn M. Burton,	Somerville.	Oct. 3.	600
Knapp . . .	Julia A. Mahoney,	Somerville.	Oct. 17.	500
Pope . . .	Alice B. Frye,	Malden.	Sept. 7.	650
Pope . . .	Mabel K. Davis,	Somerville.	"	650
Forster . . .	Mae E. Brock,	Somerville.	"	500
Forster . . .	Laura R. Cunningham,	Revere.	"	650
Bingham . . .	Alice M. Lincoln,	Watertown.	"	650
Bingham . . .	Elizabeth J. Mooney,	W. Brookfield.	"	650
Bingham . . .	Harriet M. Bell,	Malden.	"	650
Bingham . . .	Clara L. Griffiths,	Somerville.	Mar. 14.	500
Carr . . .	Florence M. Dearborn,	Revere.	Sept. 7.	650
Carr . . .	Jane W. L. Hawkes,	Everett.	"	650
Morse . . .	Minnie E. Haas,	Weymouth.	Jan. 3,'05.	650
Brown . . .	Mabel A. Sherman,	Somerville.	Sept. 7.	650
Highland . . .	Jennie P. Chapman,	Woburn.	Jan. 3,'05.	650
Highland . . .	Edith G. Watts,	Norwood.	Jan. 1.	650
Burns . . .	Elizabeth T. Burrage,	Somerville.	Jan.	650

ASSISTANTS APPOINTED, 1904.

Bennett . . .	Alice M. Saben.
Baxter . . .	Eleanor A. Connor.
Edgerly . . .	Inez Dill.
Hodgkins . . .	Stella M. Smith.
Lincoln . . .	Jennie M. Patterson.

TABLE 22.—LEAVE OF ABSENCE OF TEACHERS.

May 31. Caroline A. Marsh, for school year ending June 30, 1905.
 Sept. 26. Abbie E. Hunt, for nine months, ending June 30, 1905.

TABLE 23. TRANSFER OF TEACHERS.

TEACHERS.	From	To
Jane Batson	Forster	Bingham
Naomi E. Stevens	"	"
Mabel E. Perry	"	"
Lucy K. Hatch	"	"
S. Elizabeth Hallowell	Morse	Hodgkins
Martha L. Hale	Prescott	Forster

TABLE 24.—NUMBER OF TEACHERS

FOR A SERIES OF YEARS.

YEAR.	High School.	Grammar School.	Primary School.	Special Teachers.	Assistants not in charge of room.	Men.	Women.	Total.
1885	9	63	48	1	0	10	111	121
1886	9	62	48	1	0	9	111	120
1887	10	64	48	1	0	9	114	123
1888	10	66	52	4	7	9	130	139
1889	10	60	56	4	7	10	127	137
1890	10	78	58	5	7	12	146	158
1891	12	86	63	5	13	12	167	179
1892	13	90	67	5	10	12	173	185
1893	14	88	63	5	19	12	177	189
1894	15	91	66	6	11	12	177	189
1895	28	91	73	5	12	19	186	209
1896	30	102	74	6	14	22	208	230
1897	31	109	85*	6	18	22	227	249
1898	32	112	87*	7	13	23	229	252
1899	36	119	92*	7	9	23	240	263
1900	40	127	96*	7	6	24	249	273
1901	44†	130	94*	7	8	26	257	283
1902	45†	140	91*	7	9	26	266	292
1903	46†	143	96*	7	14	25	281	306
1904	48‡	152	98*	7	9	27	285	312

*Including four kindergartners.

†Including two secretaries.

‡Including one secretary.

TABLE 25.—BOOKS AUTHORIZED FOR USE, 1904.**For Grammar and Primary Schools.**

Heart of Oak Series of Readers.....	D. C. Heath & Co.
New Education Readers.....	American Book Co.
Sprague Classic Readers.....	Educational Publishing Co.

For High Schools.

Die Journalisten, Freytag.....	D. C. Heath & Co.
Der Progress, Benedix.....	D. C. Heath & Co.
Golden Treasury, Palgrave.....	Macmillan Co.
French Grammar, Fraser & Squair.....	D. C. Heath & Co.
La Petite Fadette.....	D. C. Heath & Co.
La Cigale chez les Fourmis.....	D. C. Heath & Co.
L'Enfant de la Lune.....	American Book Co.
Le Petit Chose.....	D. C. Heath & Co.
La Mere Michel et son Chat.....	D. C. Heath & Co.
Accounting and Business Practice, Moore & Miner.....	Ginn & Co.
Blanks, Blank Business Forms, and School Currency.....	Ginn & Co.
Actual Government, Hart.....	Longmans, Green & Co.
History of England, Andrews.....	Allyn & Bacon
Burke's Speech on Conciliation.....	Henry Holt & Co.

For Evening Schools.

Second Book for Non-English-Speaking People.....	D. C. Heath & Co.
Reading and Language Lessons for Evening Schools,	American Book Co.
Laboratory Manual of Inorganic Chemistry.....	Ginn & Co.

TABLE 26.—GRADUATION EXERCISES, 1904.**High Schools.**

The graduation exercises of the high schools occurred on Thursday, June 23, at the First Methodist Episcopal church, in the presence of a large audience of parents and friends.

The formal address to graduates was given by the Rev. W. H. P. Faunce, D. D., president of Brown University.

At the close of the address, the chairman of the committee, Frederick A. P. Fiske, presented diplomas to the 179 members of the graduating classes.

The graduation exercises were followed by a reception to the graduates and their parents, given by the school board.

Order of Exercises.

- Frederick A. P. Fiske, Chairman of School Board, presiding.
- Overture. "Si j'étais Roi." Adam
Hadley's Orchestra.
1. *Singing.
Four-part Song, "Greeting to Spring" (Waltz). Strauss
Solo, "Toreador's Song," with Chorus (Carmen). Bizet
J. Albert Wilson.
 2. Prayer.
Rev. W. Bradley Whitney.
 3. Singing.
Bass Soli and Chorus, "Far from the Forest" (Ernani)....Verdi
 4. Address to Graduates.
"Education After School."
Rev. W. H. P. Faunce, D. D., President of Brown University.
 5. Singing.
"Lelawala," a Legend of Niagara. Henry K. Hadley
Ballade for Soli, Chorus, and Orchestra.
Soprano, Maud F. Weeks. Tenor, Rowland W. Dunham.
 6. Presentation of Diplomas.
Frederick A. P. Fiske, Chairman of School Board.
 7. Singing.
Hunting Chorus, "Hark! the Mountains Resound" (Seasons),
Haydn

* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

LATIN HIGH SCHOOL GRADUATES.

Hattie Maria Bailey.	Helen Louise Lacount.
Florence Bonney.	Margaret Little.
Marion Louise Cousens.	Margaret Adel Long.
Eleanor Stenson Cummings..	Rachael Lillian Macdonald.
May Davis.	Helen Marden.
Emily Marion Doyle.	Elizabeth Lillian McFadden.
Lillian Drouet.	Beatrice Mary McFarland.
Lura Alice Elliott.	Mabel Elizabeth Page.
Elizabeth Epstein.	Nellie Gertrude Pomeroy.
Emma Epstein.	Harriet Edna Smith.
Elizabeth Catherine B. Ford.	Olive Parker Wallace.
Katherine Reed Foster.	Marion Davis Wells.
Frances Mary Frost.	Rena Dutton Wilson.
Helen Fuller.	
Mildred Naomi Garton.	Harold Fred Albee.
Lillian Marguerite Gohring.	Albert Leroy Banks.
Ella Corliss Gregg.	Richard Dana Bell.
Abbie Carolyn Hayes.	Frederick Charles Bradford.
Gertrude Frothingham Holland.	Edgar Adamson Butters.
Maude Eynaud Huff.	George Cohen.
Carrie Alma Moore Jarvis.	Herbert Asa Cole, Jr.
Hilda Blackinton Johnson.	Homer Joseph Cutler.
Grace Needham Jouett.	Frederic Stuart Dean.

Philip Libby Eaton.
 Frank Laurence Edwards.
 Francis Joseph Garrick.
 Charles Howard Getchell.
 Percy Compton Gilbert.
 Fred Simonds Hammett.
 Percy Arthur Harrison.
 Oliver Whitcomb Hartwell.
 Richard Withington Hawes.
 Herbert Enos Hayes.
 Oscar Chapin Hovey.
 Warren Garvin Lawson.
 Erasmus Darwin Leavitt.
 Harold Scammon Libby.

Thomas Joseph McCarthy, Jr.
 George Sylvester McLaughlin.
 James Francis O'Donnell.
 William Wellington Paine.
 William Lyman Phillips.
 Charles Sherwood Ricker.
 Rhodes Robertson.
 Charles Borromeo Rose.
 Roland Clifton Shiere.
 Damon Bryant Stevens.
 Edward Flagg Sweeney.
 Jonathan Merle Teele.
 Frank Olin Vose.
 Oliver Aldrich Wyman.

ENGLISH HIGH SCHOOL GRADUATES.

Ida Louise Anderson.
 Theresa Winifred Anderson.
 Martha Elizabeth Bell.
 Gertrude Esther Benjamin.
 Louise Benoit.
 Nona Ellen Blackwell.
 Beatrice Ada Bowlby.
 Marion Genesta Breck.
 Edna Josephine Brine.
 Nellie Alexander Brown.
 Grace Evelyn Butler.
 Amy Lawrence Butterfield.
 Florence Louise Caldwell.
 Elizabeth Mildred Canfield.
 Florence Mabel Carleton.
 Sarah Agnes Carty.
 Eva Frances Clement.
 Isabella Leckie Copland.
 Agnes Margaret Corkhill.
 Lucy May Corner.
 Florence Anna Dakin.
 Margarida Martha DeAvellar.
 Mary Elizabeth Dolbear.
 Blanche Alice Dole.
 Lizzie Augusta Downs.
 Catherine Augusta Farrell.
 Alice Gilson Gooding.
 Elizabeth Emma Greenleaf.
 Alveda Frances Greenwood.
 Bernice Tamar Hall.
 Eva Gertrude Hardy.
 Florence Augusta Hatch.
 Helen Louise Hatch.
 Bertha Magdelein Hennings.
 Ethel Gertrude Higgins.
 Catherine Maud Johnson.
 Mary Elizabeth Lamb.
 Edith Dolina Leitch.
 Gladys Geneva Libbey.
 Gladys Loring.
 Helen Anna Martin.
 Mabel Lillian McInnes.

Katherine Teresa McNeill.
 Alice McRae.
 Ellen McTwiggan.
 Lynda Viola Merrill.
 Edna Clark Moulton.
 Kathryne Louise Nolan.
 Emma Frances Norton.
 Ethel Mae Nute.
 Lillie Belle Phipps.
 Bertha Emily Pilsbury.
 Nellie Louise Quennell.
 Martha Rose Quinlan.
 Ethel Alma Ray.
 Alice Louise Reid.
 Agnes Rose Reynolds.
 Harriet Elizabeth Ronan.
 Edith Jane Rushton.
 Martha Estelle Russell.
 Emma Frances Sargent.
 Ida Augustina Shackford.
 Gertrude Marion Short.
 Sabrina Harriet Simonds.
 Ethel Mildred Snow.
 Loena Alice Snowman.
 Esther May Stevenson.
 Helen Philena Story.
 Florence Gertrude Tarbox.
 Edith Gertrude Tolman.
 Celia Trustenitzer.
 Merta Underhill.
 Norma Underhill.
 Isabelle Wallace.
 Anna Baker Ward.
 Maud Frances Weeks.
 Grace Margaret Welch.
 Bessie Gurrell Whiting.
 Martha Wingersky.
 Helene Elise Wiswell.
 Nellie Alvira Wright.
 Eugene Leslie Babbitt.
 Edwin Chester Ball.

William Edward Barton.
 Gerard Clifford Bean.
 Percy Aubrey Brigham.
 Elmer Arthur Burton.
 Harry Lawrence Chandler.
 Harry Stuart Chandler.
 Edward Irving Chase.
 Howard Hall Crosby.
 Arthur Henry Duhig.
 Rowland Warren Dunham.
 George Harvey Ellis.
 Edward James Fallen.

Warren Brooks Farnum.
 James Edward Frost.
 Edwin Rymes Hall.
 Ralph Alonzo Hight.
 John Hillery, Jr.
 Lawrence Mitchell.
 Charles Adams Perry.
 Leo Inocent Smith.
 Alfred Stille Trueman.
 George Gilmore Wilber.
 James Albert Wilson.

TABLE 27.—GRAMMAR SCHOOL GRADUATES.

The lack of a hall large enough to accommodate all the grammar school graduates and their friends compelled us to devote two evenings to the graduation exercises. Accordingly, Tuesday evening, June 21, and Wednesday evening, June 22, were set apart for the purpose.

The following was the order of exercises on Tuesday evening:—

Order of Exercises.

- Frederick A. P. Fiske, Chairman of School Board, Presiding.
1. Overture.
 "Maritana."Wallace
 Hadley's Orchestra.
 2. Prayer.
 Rev. Frederic S. Boody.
 3. *Singing.
 †Four-part Song, "O Lord Most Holy" (Metet).Abt
 4. Address.
 "Under Marching Orders."
 Mrs. Harriet E. Bean, of Boston.
 5. Singing.
 †"Fairy Land Waltz."Veazie
 6. Address to Graduates and Presentation of Diplomas to Graduates of Prescott, Knapp, Pope, and Bell Schools.
 George E. Whitaker, Member of School Board, Ward Three.
 7. Singing.
 "Olav Trygvason" (Discovery of Land).Grieg
 8. Presentation of Diplomas to Graduates of Highland and Hodgkins Schools.
 Mr. Whitaker.
 9. Singing.
 "May Day" (Vocal March).Henry K. Hadley

* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

† Orchestration by S. Henry Hadley.

Names of Graduates.**PRESCOTT SCHOOL.**

Herbert W. Ash.
Guy E. Brown.
William A. Butters.
Elizabeth L. Cahill.
Robert O. Chesley.
Marion E. Drake.
Leona F. Dwyer.
Lillie V. Gibbs.
Cecile E. Giroux.
Louis A. Giroux.
Annie O. Goddard.
George A. Grant, Jr.
Grace L. Gray.
Clifford E. Haynes.
Ernest Hayward.
Frederic C. Hutchins.

Arthur O. Largay.
William F. Lewis.
Mabelle A. Lincoln.
G. Marian Lovering.
Walter P. Nichols.
Walter W. Nichols, Jr.
Delilah J. Parker.
Elsie W. Perkins.
Helen W. Phelps.
Willard D. Rand.
Lillian F. Sliney.
Philip A. Swords.
Elise F. Thomann.
Ernest W. Webb.
Bessie J. Woodbury.

KNAPP SCHOOL.

Francis W. Abbott.
Ernest R. Barker.
Edith L. Berglund.
Irving G. Blois.
Annie L. Campbell.
Margaret E. Dillon.
Blanche M. Doucet.
James W. Dougall.
Annie Evenson.
Elizabeth J. Ford.
Grace A. Ford.
James Gibson.
Marie L. Hatfield.
Katherine A. Higgins.
William A. Howard.
Gertrude F. Knight.
William H. Knight.
Benjamin D. Knowles.
Elsie B. Leest.

Dearwin Lipsett.
Harold W. Magown.
Francis J. McCarthy.
Charles W. McLane.
George W. McMenimen.
Raphael C. Morrison.
Charles M. Newell.
Jennett Newell.
Gertrude A. Phelps.
Margaret C. Renwick.
Mary E. Seery.
Edward J. Segrue.
Margaret F. Segrue.
Walter J. Smith.
Anna L. Trahey.
Mary E. Waugh.
Leroy Williamson.
Lillian Wilson.
Olive Wood.

POPE SCHOOL.

Aldine A. Baker.
Ralph Edward Baker.
Dora B. Brawn.
Katherine E. Brine.
Mary Gertrude Carney.
Madison W. Christie.
Mary E. Concannon.
John Joseph Dacey.
Anna Veronica Delaney.
Marguerite Marie Griffiths.
Ethel Leone Hallett.
James Higgins.
May Irene Houghton.
Sophie A. Johnson.
Marion E. Locke.
Laura G. Marcy.
Ermine A. Mathieu.
Etta May McBride.

Isabel M. McDonald.
Myrtle Louise McMillan.
Eleanor Mae McQuinn.
William H. Mitchell.
Edwin Harley Moore.
Mary C. Morrison.
Lena M. Myott.
Ray Lester Newton.
Susie H. Pilsbury.
Frank H. Plimpton.
Marion Lockwood Smith.
Robert C. Smith.
L. Elinor Sturtevant.
Minne Clark Taintor.
Earl W. Tinkham.
Mabel C. Waters.
Mary J. Weber.
Harriet C. Whitaker.

BELL SCHOOL.

Frank A. Adams.
 Fred B. Atkinson.
 John M. Atkinson.
 Eva M. Bancroft.
 Alice A. Barrett.
 Ruth L. Bennett.
 O. Fred Boyd.
 Walter H. Broadhead.
 Elsie W. Brown.
 George W. Brown.
 Marion M. Colburn.
 Harold L. Etheridge.
 F. Marion Fay.
 Bessie M. FitzPatrick.
 William E. Lander.
 A. Gordon Landers.
 Maude G. Lewis.
 Marjorie Loring.

Amy L. Manning.
 Eva W. Marshall.
 Ethel L. Martz.
 Philip S. McGann.
 Genevieve V. McHugh.
 Roy A. Noble.
 C. Cornish Pearson.
 Josephine M. Santangelo.
 John W. Scriven, Jr.
 Helen E. Swain.
 Marion G. Swain.
 Arthur L. Thayer.
 Ruth E. Tucker.
 Carrie G. Wallace.
 Helen L. Watson.
 Celia P. B. Worth.
 A. Wellington Worth.

HIGHLAND SCHOOL.

Mark E. Allen.
 Mary V. Allen.
 Annie C. Atkinson.
 Chester F. Baker.
 Ida F. Blanchard.
 Jessie M. Blyth.
 H. Isabel Boehmen.
 Margaret J. M. Boyle.
 Edna F. Brooks.
 Bessie M. Calkin.
 Harold M. Colegrove.
 Weston E. Craig.
 Mary E. Danolds.
 Carl F. Davis.
 Fred R. Earle.
 William H. Ennis, Jr.
 Herbert V. Field.
 Herbert R. Fisher.
 Mildred G. Folger.
 Margaret L. Foster.
 M. Madelaine Gabrielson.
 Raphael J. Gabrielson.
 Ida M. Gage.
 George E. Gould.
 Ruth Hammond.
 H. Bertha Hardy.
 Cora M. Hazen.
 Frank D. Hickey.
 Florence B. Hollis.
 Sarah O. Howard.
 William Hunnewell.
 Denham G. Jaycock.
 Carl Jordan.
 Frank J. Keating.
 Mary H. Kelley.
 Hattie C. King.
 Ethel G. Kirker.
 Bertha E. Kitchen.
 Frank W. Komenda.
 Sumner S. Lewis.

Wilbur F. Lewis.
 John S. Lounsbury.
 Florence E. Lovejoy.
 Mildred F. Lovejoy.
 Alfred B. Mahoney.
 Raymond E. Manley.
 Eva Martin.
 Laura L. Martin.
 Mabelle I. McCarthy.
 Charles H. Mercer, Jr.
 Charles O. Mills.
 G. Clarence Moody.
 William M. Morrison.
 Myrtle Nicholson.
 Elsie B. Olive.
 George H. Patrick.
 William E. Patrick.
 Herbert G. Ripley.
 L. Jean Ross.
 Julian S. Shiere.
 Frederick E. Skilton.
 Florence G. Smith.
 Walter A. Smith.
 G. Chester Spalding.
 Lowell J. Spinney.
 Bertha A. Splaine.
 Arthur H. Sullivan.
 Henrietta Sutton.
 Emma L. Thayer.
 Ernest L. Thornquist.
 Francis D. Tracey.
 Ella F. Trefren.
 Florence V. Urquhart.
 Ernest W. Walker.
 Florence M. Wallis.
 Grace Wickstead.
 Leonard W. Wiley.
 Harold D. Wiswall.
 Helen M. Young.

HODGKINS SCHOOL.

Louise G. Austin.	Archibald W. Laurie.
Edith B. Babcock.	Marion G. Libby.
Harold A. Blake.	Hardie H. Lovelace.
William E. Boyden.	Lucy C. Loveys.
Genevieve M. Bryan.	William S. Maulsby.
Harry W. Carter.	Elizabeth Mulloney.
Ella A. Clarke.	Effie A. Newcomb.
Olive P. Cosgrove.	Leah B. Roberts.
Ethel G. Crosskill.	Mary E. Seaver.
Gertrude E. Cushing.	Alice M. Savage.
Margaret M. Fiendel.	Ruth M. Smith.
Carrie P. Finley.	Helen I. Stearns.
Beatrice Glidden.	Bertha A. Stockwell.
William R. Glidden.	Mabel L. Teele.
Margaret M. Greenwood.	Mary M. Viano.
Frank E. Hadley.	Emerson B. Wentworth.
Florinda C. Hodgdon.	Luissa M. Wentworth.
Allen G. Hooper.	Kenneth Winslow.
William H. Hoyt.	Laurel Z. Wood.
Mildred E. Jones.	Madeline G. Woodley.

The following was the order of exercises for Wednesday evening:

Order of Exercises.

Frederick A. P. Fiske, Chairman of School Board, Presiding.

1. Overture.
 "Maritana."Wallace
 Hadley's Orchestra.
2. Prayer.
 Rev. Francis A. Gray.
3. *Singing.
 †Four-part Song, "O Lord Most Holy" (Motet).Abt
4. Address.
 "The Art of Living."
 Professor Edward Cummings, of Cambridge.
5. Singing.
 †"Fairy Land Waltz."Veazie
6. Address to Graduates and Presentation of Diplomas to Graduates of the Edgerly, Carr, and Morse Schools.
 William P. Jones, Member of School Board, Ward Four.
7. Singing.
 "Olav Trygvason" (Discovery of Land).Grieg
8. Presentation of Diplomas to Graduates of the Glines and Forster Schools.
 Mr. Jones.
9. Singing.
 "May Day" (Vocal March).Henry K. Hadley

* All singing accompanied by Hadley's Orchestra, under the direction of S. Henry Hadley, teacher of music in the schools.

† Orchestration by S. Henry Hadley.

Names of Graduates.**EDGERLY SCHOOL.**

Mary C. Bartlett.	Ella F. Keefe.
Marion L. Boardman.	Marguerite C. Keefe.
Gratia B. Bryant.	Gladys M. Lowell.
Alice E. Burns.	E. Pearl MacDonald.
Edith Clarke.	Kenneth E. B. MacDonald.
Herbert T. Cole.	Ethel C. Markel.
Anna G. Coleman.	Hubert Q. Mills.
Harland H. Collins.	Helen G. Nelson.
Walter J. Conrad.	Edna D. Nickerson.
Annie J. Conway.	Ivan D. Patten.
Michael F. Corkery.	F. Lillian Perkins.
John F. Cruise.	Gladys M. Pratt.
Ethel F. Curran.	Howard M. Preston.
Marguerite F. Doherty.	Harry I. Quennell.
Marion F. Foster.	Grace L. Rich.
Ethel M. Frisselle.	Pauline M. Simmons.
William M. Gavin.	Florence M. Spaulding.
Edith F. Gove.	Clarence E. Snow.
Carolyn A. Hillery.	Mabel G. Stackpole.
E. Mae Hodson.	S. Inez Stone.
Francis W. Johnson.	Lillian F. Thompson.
Florence A. Junkins.	Helen F. Weld.

GLINES SCHOOL.

Ralph P. Anderson.	Elsie Moore.
Louie E. Blake.	Aline L. Morgan.
Benjamin J. Butler.	Alice L. Mulholland.
Arthur Campbell.	James H. Mullen, Jr.
Bessie S. Cobb.	Hester Philbrick.
Elsie M. Crispin.	Etta G. Purdon.
Edward H. Edwards, Jr.	E. May Pynn.
Frederick L. Ercolini.	Samuel T. Rich.
William B. Giles.	Geraldine Scott.
Nina F. Gilley.	Lucy H. Snow.
Henrietta Glassman.	Thomas L. Taylor.
Mildred R. Hager.	John W. Underhill.
Michael T. Hurley.	C. Ernest Van Ness.
Robert B. Hutchison.	Pearl E. Whitehouse.
Mabel A. Jefferson.	Aubrey W. H. Wilson.
Evelyn G. Leighton.	Helen M. Wilson.
Lillian E. Luce.	Jean Witherell.
Nellie M. McClearn.	Russell H. Young.

FORSTER SCHOOL.

William H. Andrews.	Margaret A. Burke.
Arthur C. Armitage.	Mary K. Buttiner.
Mary G. Babino.	Ruth W. Bryant.
Harry A. Baird.	Annie D. Cameron.
Katharine L. Bradbury.	William R. Campbell.
J. Palmer Briggs.	A. Louise Carr.
Robert C. Brine.	Harry B. Chase.
Mildred A. Bullock.	Paula L. Clough.

Harold Cohen.
 Mary L. Cook.
 Frederick D. Coope.
 Robert A. Crenner.
 Annie M. Deming.
 Roger H. Ducey.
 Sadie E. Dugan.
 Rupen Eksergian.
 Alfred W. Ellis.
 Arthur T. Elvedt.
 Hazel M. Etter.
 Gertrude M. Feeley.
 Thomas H. Feeley.
 Sybil F. Fernandez.
 Helen A. Fielding.
 Mary E. Gallen.
 Fannie M. Gascoigne.
 William H. Graves.
 Malcolm Gray.
 Maude E. Greenough.
 Annie M. Gridley.
 Edward L. Hagan.
 Henrietta M. Ham.
 Teresa L. Harrington.
 Leona O. Hatch.
 Harriet C. Hayden.
 Cora E. Hicks.
 Mary A. Hill.
 Marion F. Hincks.
 Jessie M. Hoadley.
 Emery W. Huff.
 Florence E. Hurley.
 Helen B. Johnson.
 Helen M. Keeler.

Merle A. Kibbe.
 Ethel D. Kilgour.
 Grace E. King.
 Lucie A. Kramer.
 Carl B. Lawrence.
 G. Adolph Lloyd.
 Grace A. Lomasney.
 Lauretta Ludixen.
 John J. Lynch.
 Patrick L. Lynch.
 Harold F. Lyon.
 Nora M. Mahoney.
 Ruth M. Martin.
 Margaret McCrillis.
 Gertrude I. McKenna.
 May T. McMullen.
 A. Lisette Parker.
 Jeanie S. Rifford.
 Lillian E. Ring.
 Marion F. Ritchie.
 Ethel C. Scott.
 Bridget M. Shannon.
 Mary J. Sharkey.
 Agnes C. Sullivan.
 Daniel T. Sullivan.
 J. Arthur Sullivan.
 Josephine E. Sullivan.
 Matthew G. Sullivan.
 Ralph W. Taylor.
 Elizabeth F. Thurlow.
 Gertrude Wainwright.
 Lavinia L. Ware.
 Vera M. Warren.
 Edna C. Woodbury.

CARR SCHOOL.

Eugene L. Adcock.
 Orill A. Arens.
 William J. Bonner.
 Stephen G. Brennan.
 Nellie L. Connors.
 Elizabeth E. Conway.
 Sarah S. Coyne.
 Lillian M. Daley.
 Adelaide M. Davis.
 Elmer Derby.
 Ross H. Douglas.
 Ella Duncan.
 Thomas J. Flanagan.
 Ruth E. Fletcher.
 Charles J. R. Gillis.
 Clarence A. Greenlaw.
 May R. Halnan.
 Miriam Holzwasser.
 Elizabeth M. Leatham.
 Katherine L. McCarron.
 Sarah M. McCrory.
 Margaret B. McGarr.

Mary E. McGrath.
 Veronica G. Melvin.
 Ethel M. Mooney.
 Edna L. Moore.
 Mary E. Murphy.
 Elinor Neilon.
 Helen A. Pratt.
 Alf S. Prebensen.
 John Reynolds.
 Elsa M. Risdon.
 Cecil Saunders.
 William J. Sharry.
 Edwin A. Sibley.
 Raymond W. Spear.
 Gertrude D. Stapleton.
 Bertha G. Stone.
 Ordway B. Tead.
 Homer R. Watkins.
 Richard H. Watson.
 William H. White.
 Francis Zecchini.

MORSE SCHOOL.

Oliver G. Appley.
Forrest B. Bancroft.
Howard P. Barker.
William C. Blackett.
Ella C. Bolton.
Grace Bradford.
M. Louise Brookings.
Ruth W. Bunten.
Mabel A. Chapman.
Harry Cohen.
Thomas P. Conway.
Carl H. Dutton.
Harold B. Frost.
Eva M. Goode.
Marguerite F. Grant.
Myron L. Harlow.
Alice E. Harrington.
Newton B. Hayden.
Arthur D. F. Healey.
Michael A. Healy.
Florence B. Holbrook.
Alton A. Howard.
Thomas F. Jennings.

Earl H. Kathan.
Mary G. Keefe.
Gladys A. Kingsley.
Ruby Logan.
Marion Loring.
William D. MacDonald.
William H. MacDonald.
Harry L. Mahony.
Laura A. Martin.
May A. McDermott.
Rosetta W. McFarland.
Eusebio F. Medeiros.
Fannie M. O'Brien.
Herbert L. Perry.
Homer F. Prouty.
Florence M. Pugh.
Bessie U. Richardson.
Guy A. Shedd.
Mabel E. Stevens.
Russell E. Stevens.
Leona M. Tower.
Edna R. Vears.
Ernest H. Wilkins.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1905.

School Committee.

FREDERICK A. P. FISKE,	. . . . .	Chairman
GEORGE E. WHITAKER,	. . . . .	Vice-Chairman

MEMBERS.**EX-OFFICIIS**Term expires
January.

LEONARD B. CHANDLER, Mayor, 45 Jaques street.	1906
JOHN J. HIGGINS, Pres. Board of Aldermen, 10 Dartmouth street.	1906

WARD ONE.

DR. HENRY F. CURTIS,	145 Perkins street.	1906
WILLIAM W. KENNARD,	14 Arlington street.	1907

WARD TWO.

DANIEL H. BRADLEY,	19 Concord avenue.	1906
JOHN H. O'NEIL,	44 Oak street.	1907

WARD THREE.

GEORGE E. WHITAKER,	75 Walnut street.	1906
WILBUR S. CLARKE,	40 Vinal avenue.	1907

WARD FOUR.

DR. GEORGE W. W. WHITING,	282 Broadway.	1906
WILLIAM P. JONES,	13-A Maple avenue.	1907

WARD FIVE.

QUINCY E. DICKERMAN,	85 Central street.	1906
J. WALTER SANBORN,	183 Central street.	1907

WARD SIX.

FREDERICK A. P. FISKE,	44 Cherry street.	1906
CHARLES H. HOOD,	2 Benton road.	1907

WARD SEVEN.

DR. GEORGE C. MAHONEY,	415 Highland avenue.	1906
MRS. HENRIETTA B. H. ATTWOOD,	18 Herbert street.	1907

The committee holds its regular meetings on the last Monday evening of each month, except July, August, and December, at 8.15 o'clock. The last meeting of the year is held on the Friday next preceding the first Monday of January.

Superintendent of Schools.

GORDON A. SOUTHWORTH.

Office: City Hall Annex, Highland avenue.

Residence: 40 Greenville street.

The Superintendent's office will be open from 8 to 12, and from 1.30 to 5; Saturdays, 8 to 10. His office hours are from 4 to 5 on school days and 8 to 9 on Saturdays.

Office telephone, 314; house telephone, 12.

Cora S. Fitch, Superintendent's clerk, 82 Munroe street.

TABLE 28.—ORGANIZATION OF SCHOOL BOARD, 1905—Concluded.**Standing Committees.**

High Schools.—Whiting, Mahoney, Curtis, O'Neil, Clarke, Sanborn, Fiske.

District (or Ward) I.—Curtis, Kennard, Jones.

PRESCOTT, HANSCOM, DAVIS, BENNETT.

District (or Ward) II.—Bradley, O'Neil, Curtis.

KNAPP, PERRY, BAXTER.

District (or Ward) III.—Whitaker, Clarke, O'Neil.

POPE, BELL, CUMMINGS.

District (or Ward) IV.—Whiting, Jones, Higgins.

EDGERLY, GLINES.

District (or Ward) V.—Dickerman, Sanborn, Chandler.

FORSTER, BINGHAM.

District (or Ward) VI.—Fiske, Hood, Dickerman.

CARR, MORSE, DURELL, BURNS, BROWN.

District (or Ward) VII.—Mahoney, Mrs. Attwood, Fiske.

HIGHLAND, HODGKINS, LINCOLN, LOWE.

Additional School Accommodations.—Hood, Sanborn, Curtis, Bradley, Whitaker, Whiting, Mahoney, Chandler, Higgins.

Evening Schools.—Fiske, Whitaker, Jones.

Finance.—Curtis, Hood, Dickerman, Chandler, Higgins.

Industrial Education.—Clarke, Dickerman, Mrs. Attwood.

Music.—Mrs. Attwood, Whiting, Dickerman.

Private Schools.—Mahoney, O'Neil, Whiting.

Repairs of School Buildings.—Bradley, Kennard, Mahoney.

Rules and Regulations.—O'Neil, Jones, Fiske.

Salaries.—Whitaker, Sanborn, Fiske.

Supplies.—Sanborn, Hood, Clarke.

Text-books and Courses of Study.—Dickerman, Whitaker, Kennard, Bradley, Jones, Hood, Mrs. Attwood.

Vacation Schools.—Jones, Kennard, Bradley.

Note.—The member first named is chairman.

TABLE 29.—TEACHERS IN SERVICE JANUARY, 1905.

NAME.	Residence.	Salary.	Beginning of Service.
LATIN HIGH SCHOOL.			
GEORGE L. BAXTER, Head Master,	27 Warren ave.	\$3,000	1867
Frank M. Hawes, Master,	257 School st.	2,000	1879
Charles T. Murray, Sub-Master,	28 Franklin st.	1,700	1887
George M. Hosmer, Sub-Master,	13 Arlington st.	1,000	1901
Frederick C. Hosmer,	13 Arlington st.	900	1904
Sarah W. Fox,	46 Laurel st.	1,200	1868
Frances W. Kaan,	123 Central st.	1,150	1882
Eudora Morey,	26 Batavia st., Boston.	900	1882
Mrs. Lena Gilbert,	51 Elmwood st.	1,000	1883
Grace T. Pratt,	62 Waverly st., Roxbury.	900	1901
Edith M. Walker,	9 Loring st.	900	1903
Mabel G. Curtis,	829 Boylston st., Boston.	900	1903
Miriam Thayer,	267 Medford st.	900	1904
ENGLISH HIGH SCHOOL.			
CHARLES T. C. WHITCOMB, Head Master,	44 Walnut st.	\$3,000	1895
John A. Avery, Master,	22 Dartmouth st.	2,000	1895
Everett W. Tuttle, Sub-Master,	62 Highland ave.	1,700	1895
Harry L. Jones, "	157 Highland ave.	1,700	1896
Howard W. Poor, "	27 Mt. Vernon st., Reading.	1,700	1896
George W. Earle, "	11 Pleasant ave.	1,700	1900
Harry F. Sears, "	44 Orris st., Melrose Highlands.	1,600	1901
Charles F. Abbott, "	45 Greenville st.	1,600	1901
Frederick O. Smith, "	135 Powder House boulevard.	1,200	1904
John M. Jaynes,	29 Putnam st.	800	1902
A. Marion Merrill,	64 Vinal ave.	1,200	1895
A. Laura Batt,	64 Vinal ave.	900	1895
Lucy Ingram,	19 Aldersey st.	900	1895
*Caroline A. Marsh,	Amherst, Mass.	900	1894
Eda L. Nichols,	68 Putnam st.	1,200	1895
M. Helen Teele,	11 Jason st., Arlington.	900	1895
Clara A. Johnson,	177 Central st.	900	1897
Mary F. Carrick,	271 Medford st.	1,000	1898
Bertha P. Marvel,	19 Highland ave.	900	1899
Hila Helen Small,	232 Highland ave.	1,000	1899
Harriet E. Tuell,	10 Harvard pl.	1,000	1899
Helen L. Follansbee,	20 Montrose st.	1,000	1900
Bessie D. Davis,	13 Mt. Vernon st.	900	1900
Helen E. Harding,	60 Orchard st., No. Cambridge.	900	1901
Ella D. Gray,	147 Walnut st.	900	1901
Elizabeth Campbell,	9 Hamlet st.	1,000	1902
Nina A. Cummings,	47 Wallace st.	850	1903
Nellie H. Swift,	13 Pleasant ave.	800	1904
Jessamine D. Wolcott,	5 Harvard ave., Brookline.	1,000	1904
H. Adelaide Hamlin,	128 Orchard st.	900	1904
Ruth Tousey,	106 Professors row.	900	1904
Anna Pushee,	10 Harvard pl.	900	1904
Bessie L. Forbes,	92 Orchard st.	750	1899
Bertha A. Raymond,	16 Hillside pk.	750	1900
Blanche S. Bradford,	161 Summer st.	600	1903
Amy L. Cole, Sec'y and Lib.,	13 Lincoln st.	700	1901

* On leave of absence for one year.

TABLE 29.—Teachers in Service January, 1905.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
PRESCOTT.				
9	SAMUEL A. JOHNSON, Master,	91 Perkins st.	\$1,900	1893
9	Anna M. Bates,	102 Bridge st., Salem.	725	1874
8	Elizabeth M. Warren,	64 Vinal ave.	650	1897
7	Emma M. Cate,	15 Fletcher st., Winchester.	650	1882
6	Abbie A. Anderson,	10 Pearl st.	650	1878
6	Amelia I. Sears,	Melrose Highlands.	650	1873
5	Susie M. Hosmer,	7 Vinton st., Melrose.	650	1899
5	Catherine T. Brown,	61 Myrtle st.	650	1868
4	Clara Taylor,	36 Flint st.	650	1871
3	Elizabeth L. Marvin,	17 Newbury st., Malden.	650	1898
2	Louise E. Pratt,	21 Lincoln st.	650	1889
2	Jennie M. Twiss,	11 Dana st.	650	1903
1	Mattie L. Littlefield,	65 Glen st.	650	1897
1	A. Louise Bean,	21 Wheeler st.	650	1904
SANFORD HANSCOM.				
5	LINA F. BATES, Principal,	52 Highland ave.	\$775	1897
4	Gertrude D. Goodale,	101 Pearl st.	650	1902
3	Helen S. Woodman,	20 Cass st., Melrose.	650	1904
2	Helen G. Frye,	43 Sargent ave.	650	1898
1	Lina E. Dill,	34 Chauncey ave.	650	1897
K'g'n	Caroline Boardman,	62 Highland ave.	600	1897
Ass't	Etta M. Cushing,	3 Thurston st.	425	1896
DAVIS.				
4	MARY A. HOLT, Principal,	72 Boston st.	\$725	1899
3	Jennie A. Drew,	50 Bancroft ave., Reading.	650	1903
2	Carrie T. Lincoln,	41-B Franklin st.	650	1893
1	P. A. Merritt,	96 Oxford st.	650	1885
CLARK BENNETT.				
5	ANNIE E. McCARTY, Principal.	18 Quincy st.	\$1,000	1880
Ass't	Kate B. Gifford,	72 Berkeley st.	650	1902
4	Jennette B. Snow,	63 Columbus ave.	650	1903
4	Caro G. Graydon,	128 Oliver st., Malden.	650	1904
3	Agnes S. Campbell,	11 Columbus ave.	650	1899
3	Alice T. Mc Namara,	29 Lee st., Cambridge.	650	1895
2	Katharine C. Connolly,	21 School st.	650	1897
2	Nettie L. Fay,	67 Walnut st.	650	1903
2	Isadore E. Taylor,	36 Flint st.	650	1883
1	Bertha M. Martindale,	96 Glen st.	650	1902
1	Miriam Cavanagh,	10 Grand View ave.	650	1893
1	Carrie L. Bliss.	4 Park ave.	650	1870
K'g'n	Caroline G. Baker,	40 Benton road.	600	1895
Ass't	Alice M. Saben,	110 Pearl st.	425	1904
GEORGE L. BAXTER.				
5	HELEN TINCKER, Principal,	17 Bonner ave.	\$775	1872
4	Catherine E. Sweeney,	633 Broadway.	650	1901
3	Elizabeth E. Carr,	Danvers.	650	1902
2	Agatha G. F. Commins,	24 Hanson st.	650	1901
1	Charlotte Holmes,	10 Putnam st.	650	1899
K'g'n	Ethelyn M. Burton,	2 Homer sq.	600	1900
Ass't	Eleanor Connor,	25 Church st.	350	1903

Table 29.—Teachers in Service January, 1905.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
	OREN S. KNAPP.			
9	JOHN S. EMERSON, Master,	95 Summer st.	\$1,900	1894
9	Abby C. Hunt.*	17 Aldersey st.	725	1873
Sub.	Nina A. Doanan,		725	1904
8	Maude M. Mixer,	15 Edmands st.	650	1902
8	Mary E. Stearns,	40 School st.	650	1889
7	C. B. Parkhurst,	22 Highland ave.	650	1899
7	Julia A. Mahoney,	16 Parker st.	500	1904
6	Clara B. Sackett,	40 School st.	650	1891
6	Edith Hersey,	154 Washington ave., Chelsea.	650	1899
5	Annie E. Robinson,	20 Webster ave.	650	1876
4	Abbie A. Gurney,	28 Bonner ave.	650	1888
3	L. Gertrude Allen,	230 Washington st.	650	1884
2	Minnie Alice Perry,	16 Pleasant ave.	650	1893
1	Lucia Alger,	28 Bonner ave.	650	1889
1	Margaret L. O'Malley,		650	1904
	* Leave of absence.			
	ALBION A. PERRY.			
5	Mrs. M. B. McKusick,	267 Broadway, Arlington.	\$775	1897
4	Irene Vincent,	85 Prospect st.	650	1903
3	Mary G. Blackwell,	48 Lowell st.	650	1901
2	Helen M. Cogan,	24 Stone ave.	600	1902
2	Grace B. Tibbetts,	226 Pleasant st., Arlington.	650	1890
1	Erminnie A. French,	356 Moody st., Waltham.	650	1898
	CHARLES G. POPE.			
9	GEORGE M. WADSWORTH, Master,	23 Munroe st.	\$1,900	1891
9	Florence A. Chaney,	1529 Cambridge st., Cambridge.	725	1892
8	Harriet M. Clark,	10 Vernon st., West Medford.	650	1893
7	Alice I. Norcross,	26 Russell ave., Watertown.	650	1885
7	Mildred A. Peck,	9 Prospect Hill ave.	650	1901
6	Blanche G. North,	8 Munroe st.	650	1893
6	Minnie A. Blood,	10 Putnam st.	650	1897
5	Lizzie W. Parkhurst,	22 Highland ave.	650	1885
5-6	Susan G. Meldrum,	57 Boston st.	650	1896
4	Annie G. Sheridan,	84 Prospect st.	650	1886
3	Mabel K. Davis,	11 Harvard pl.	650	1904
2	Florence E. Locke,	1529 Cambridge st., Cambridge.	650	1898
1	Alice B. Frye,	25 Mt. Vernon st., Malden.	650	1904
	LUTHER V. BELL.			
9	HARLAN P. KNIGHT, Master,	37 Stone ave.	\$1,900	1897
9	Alice L. Davis,	19 Aldersey st.	725	1895
8	Nellie S. Dickey,	54 Putnam st.	650	1889
7	Eva R. Barton,	Stoneham.	650	1903
8, 7	Grace E. Weeks,	32 Vinal ave.	650	1899
6	Mabel T. Totman,	12 Sanborn ave.	650	1892
6	Maribelle Curtis,	55 Putnam st.	650	1895
5	Emma F. Schuch,	25 Tufts st.	650	1874
5	Elizabeth M. Collins,	55 Putnam st.	650	1901
4	Ella H. Bucknam,	41 Forest st., Roxbury.	650	1897
3	Florence S. Hartshorn,	96 Glen st.	650	1900
2	Martha E. Daniels,	93 Concord ave.	650	1891
1	E. Laurette Schuch,	25 Tufts st.	650	1882

Table 29.—Teachers in Service January, 1905.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
CUMMINGS.				
3	FANNIE L. GWYNNE, Principal,	65 School st.	\$725	1886
4	Ruth B. Stanley,	19 Harvard st.	650	1902
2	Angeline Cann,	Hotel Woodbridge.	650	1897
1	Elizabeth L. Hersey,	Franklin Sq. House, Boston.	650	1897
EDGERLY.				
9	CHARLES E. BRAINARD, Master,	82 Munroe st.	\$1,900	1889
9	Mary Corry,	Hotel Woodbridge.	725	1902
8	Annie L. Dimpsey,	9 Hamlet st.	650	1891
8	Mary E. Richardson,	35 Bradley st.	650	1893
7	Mabel C. Mansfield,	35 Bradley st.	650	1893
7	Isabelle M. Gray,	23 Webster st.	650	1897
6, 7	Edith M. Snell,	4 Vine st., Melrose.	650	1900
6	Maud J. Nickerson,	116 Pearl st.	650	1902
5	Mary E. Coyle,	1 Moscow st., Atlantic.	650	1898
4	J. Louise Smith,	196 Washington st., Lynn.	650	1896
3	Lillian Nealley,	109 Glen st.	650	1882
2	Alice W. Cunningham,	21 Pleasant ave.	650	1901
1	Martha M. Power,	37 Gleason st., West Medford.	650	1891
Ass't	Inez Dill,	34 Chauncy ave.	425	1904
JACOB T. GLINES.				
9	MARY E. NORTHUP, Master,	181 Central st	\$1,900	1878
9	Mary E. Stiles,	181 Central st.	725	1883
8	Nellie E. Briggs,	15 Evergreen ave.	650	1898
7	Mary H. Brownrigg,	15 Evergreen ave.	650	1900
6, 7	Lilla M. Marble,	2 Rush st.	650	1902
6	Zelpha L. Thayer,	64 Linden st., Reading.	650	1902
5	Ellen A. Boynton,	45 Dartmouth st.	650	1891
5, 4	M. Frances Guptill,	56-A Pinckney st.	650	1870
3	Margaret A. Orr,	148 Warren ave., Boston.	650	1891
4	Mary A. Goddard,	9 Winter Hill Circle.	650	1893
3	Florence E. Baxter,	49 Hudson st.	650	1891
2	Anna G. Welch,	324 Main st., Stoneham.	650	1897
2	Flora B. Rice,	204 School st.	650	1895
1	Carrie Armitage,	57 Madison st.	650	1899
1	Belle J. Tift,	201 School st.	650	1892
K'g'n	Mrs. Etta D. Ellsworth,	112 Newbury st., Boston	600	1897
Ass't	Elsie G. Ashton,	17 Bonner ave.	425	1902
FORSTER.				
9	FRED C. BALDWIN, Master,	63 Sycamore st.	\$1,900	1893
9	Mary E. Bunton.	34 Robinson st.	725	1894
9	Irene S. Nightingale.	14 Court st., Arlington.	700	1895
8	Jessie M. Lockwood,	100 Glenwood rd.	650	1900
8	Mary C. Buck,	Stoneham.	650	1903
7	Mae E. Brock,	61 Hancock st.	500	1904
7	Emma G. Blanchard,	The Prescott, Everett.	650	1902
6	Mina P. Bickford,	216 Park st., Medford.	650	1902
6	Elizabeth F. Clement,	29 Kidder ave.	650	1884
5	Mary I. Bradish,	54 Logan ave., Medford.	650	1899
5	Elizabeth S. Brown,	19 Highland ave.	650	1897
4	Laura R. Cunningham,		650	1893
4	Grace M. Frederick,	21 Batavia st., Boston.	650	1903
3	E. Mina Smith,	2 Pembroke st.	650	1896
3	Annie S. Gage.	32 Marshall st.	650	1883
2	Mabel G. Delano.	108 Cross st.	650	1901
2	Martha L. Hale,	144 Highland ave.	650	1904
1	Grace Shorey,	23 Forster st.	650	1892
1	Cora J. Demond,	The Prescott, Everett.	650	1900

TABLE 29.—Teachers in Service January, 1905.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
BINGHAM.				
9	HARRY F. HATHAWAY, Principal,	505 Broadway.	\$1,900	1890
9	Elizabeth J. O'Neil,	505 Broadway.	725	1894
8	Elizabeth J. Mooney,	3 Lee st.	650	1904
7	Jane Batson,	32 Florence st., Malden.	650	1900
7	Naomi E. Stevens,	14 Stickney ave.	650	1903
6	Mabel E. Perry,	187 Central st.	650	1896
5	Lucy K. Hatch,	103 Glenwood ave.	650	1892
5	Harriet F. Ward,	2 1-2 Center st., Roxbury.	650	1895
4	Eva M. Barrows,	103 Waverly st., Everett.	650	1903
4	Helen L. Galvin,	Braintree.	650	1903
3	Alice R. Lincoln,	881 Mass. ave., Cambridge.	650	1904
3	Harriet M. Bell,	483 Main st., Malden.	650	1904
2	Grace F. Mulcahy,	187 Central st.	650	1903
2	Beatrice Kendall,	366 Main st., Charlestown.	650	1900
1	Nellie R. Bray,	7 Jasper st.	650	1898
1	Mabel E. Mansir,	77 Albion st.	650	1891
1	Clara L. Griffiths,	39 Ames st.	500	1904
MARTIN W. CARR.				
9	CHARLES G. HAM, Master,	Watertown.	\$1,900	1898
9	Anne E. Bragdon,	21 Harvard st.	725	1898
9, 8	Clara D. Eddy,	70 Central st.	700	1903
8	Mary E. Soule,	124 Summer st.	650	1901
7	May E. Berry,	29 Kidder ave.	650	1902
7	Harriet A. Hills,	1 Hillside pk.	650	1874
6, 7	Jane W. Hawkes,	70 Central st.	650	1904
6	Marie T. Smith,	87 Orchard st.	650	1898
6	Marion P. Crawford,	53 Laurel st.	650	1897
5	Susie L. Luce,	8 Walter ter.	650	1896
5	Mary A. Haley,	117 Summer st.	650	1867
4	Elizabeth S. Foster,	53 Laurel st.	650	1895
3, 4	Grace T. Merritt,	47 Cherry st.	650	1900
3	Florence B. Howland,	6 Highland ave.	650	1897
2	Florence M. Dearborn,	191 Sumner st.	650	1904
2	Ethel F. Morang,	157 Lowell st.	650	1898
1	Gertrude Friend,	6 Park ave.	650	1893
1	Annie B. Russell,	45 Russell st.	650	1901
MORSE.				
9	MINA J. WENDELL, Master,	211-A Summer st.	\$1,900	1882
9	Alice E. Jones,	53 Laurel st.	725	1897
8	P. S. Downes,	17 Bradford ter., Everett	650	1872
7	Minnie E. Haas,	10 Berwick pk., Boston.	650	1905
6	Lennie W. Bartlett,	99 Summer st.	650	1893
5	Anna E. Sawyer,	26 Bow st.	650	1872
5	Lizzie E. Hill,	35 Norway st., Boston.	650	1891
4	Alice B. Hazelton	53 Laurel st.	650	1904
4	Abigail P. Hazelton,	53 Laurel st.	650	1902
3	Agnes C. Rice,	20 Spring Hill terrace.	650	1900
2, 3	Ella P. McLeod,	70 Austin st., Cambridge.	650	1888
2	Ardelle Abbott,	71 Craigie st.	650	1897
1	Alice M. Emerson,	146 Highland ave.	650	1891
1	Grace S. Russell,	1097 Broadway.	650	1900
GEORGE W. DURELL.				
4	NORA F. BYARD, Principal,	248 Summer st.	\$725	1884
3	Etta C. Rochefort,	1 Forest pk., Cambridge.	650	1903
2	Edith L. Hunnewell,	23 Milton st.	650	1894
1	Mary Winslow,	38 Spring st.	650	1893
BURNS.				
6	LAURA J. BROOKS, Principal,	31 Stevens st., Stoneham.	\$1,000	1883
Ass't	Margaret D. Jack,	112 Perkins st.	400	1899
6	Cara M. Johnson,	147 Park ave., Arlington.	650	1897
5	Minnie S. Turner,	153 Lowell st.	650	1885
4	Elizabeth A. Davies,	230 Morrison ave.	650	1893
3	A. L. Brown,	281 Summer st.	650	1885
3, 2	Clara L. Hammond,	30 Chandler st.	650	1903
2	Mary E. Lacy,	63 Cherry st.	650	1890
1	Alice E. Morang,	157 Lowell st.	650	1893
1	Elizabeth T. Burrage,	20 Dartmouth st.	650	1905

TABLE 29.—Teachers in Service January, 1905.—Continued.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
	BENJAMIN G. BROWN.			
6	ANNIE G. SMITH, Principal,	24 Florence st., Malden.	\$775	1901
5	Grace J. Alexander,	60 College ave.	650	1900
4	Edna M. Proctor,	93 Revere st., Boston.	650	1901
3	Lucy M. Curtis,	39 Munroe st.	650	1899
2	Mabel A. Sherman,	29 Madison st.	650	1904
1	Ida M. Record,	34 Robinson st.	650	1899
	HIGHLAND.			
9	GEORGE E. NICHOLS, Master,	182 Highland ave.	\$1,900	1877
9	M. Alice Paul,	122 Orchard st.	725	1879
9	Edna F. Grant,	96 Orchard st.	700	1903
8	P. E. Mathews,	201 Morrison ave.	650	1897
8	N. Irene Ellis,	5 Irving st.	650	1903
8	Grace M. Clark,	10 Vernon st., West Medford.	650	1893
7	Jennie P. Chapman,	20 Central st.	650	1905
7	Edith G. Watts,	48 Banks st.	650	1904
7	Jennie C. Frazier,	561 Columbus ave., Boston.	650	1887
7, 6	Mary L. Bryant,	34 Pleasant st., Stoneham.	650	1903
6	Sarah E. Pray,	28 Quincy st.	650	1878
5	Mary H. Joyce,	76 Boston st.	650	1891
5	Lillian F. Richardson,	South Acton.	650	1903
	WM. H. HODGKINS.			
9	ARTHUR L. DOE, Master,	83 Chandler st.	\$1,900	1896
9	Alice M. Winslow,	16 Park ave.	725	1896
9	S. Elizabeth Hallowell,	99 Summer st.	700	1905
8	Edith W. Emerson,	135 Central st.	650	1896
8	Alice S. Hall,	135 Central st.	650	1896
7	Lilla E. Mann,	15 Day st., Cambridge.	650	1902
7	Josephine T. Field,	2106 Mass. ave., Cambridge.	650	1903
6	Gertrude W. Leighton,	56 College ave.	650	1896
6			650	1894
5	Flora A. Burgess,	Arlington Heights.	650	1902
5	Catherine A. Burden,	404 Highland ave.	650	1901
4	D. J. Titus,	Rindge ter., No. Cambridge.	650	1901
4	Katherine M. Fox,	Stoneham.	650	1896
1	Marion I. Noyes,	22 Dover st.	650	1896
Ass't	Stella A. Smith,	Curtis st.	275	1904
	LINCOLN.			
3, 2	ELIZA H. LUNT, Principal,	50 Curtis st.	\$725	1890
3	Charlotte F. Mott,	154 Charles st., Boston.	650	1886
2	Almena J. Mansir,	77 Albion st.	650	1899
1	Martha A. Jencks,	96 Orchard st.	650	1899
Ass't	Jennie M. Patterson,	17 Avon street.	425	1903
	MARTHA PERRY LOWE.			
4	MAY E. SMALL, Principal,	7 Kingston st.	\$1,000	1900
4	Stella M. Holland,	46 Chester st.	650	1903
3	Alice M. Dorman,	96 Orchard st.	650	1903
2	Jane M. Taaffe,	159 Morrison ave.	650	1888
2, 3	Maude C. Valentine,	1098 Broadway.	600	1901
2	Katherine E. Hourahan,	12 Grove st.	650	1892
1	Clara G. Hegan,	100 School st.	650	1897
1	Marie Neis,	Boston.	500	1904
	EVENING SCHOOL PRINCIPALS.			
	C. T. C. WHITCOMB, High.			
	ALBERT L. WARE, Drawing.			
	CHARLES T. MURRAY, Prescott.			
	JOHN S. EMERSON, Bell.			
	FRED C. BALDWIN, Forster.			
	CHARLES E. BRAINARD, Highland.			

TABLE 29.—Teachers in Service January, 1905.—Concluded.

Grade.	NAME.	Residence.	Salary.	Beginning of Service.
	SPECIAL TEACHERS.			
	MUSIC.			
6-1	S. Henry Hadley,	46 Pearl st.	\$1,700	1869
	Charlotte D. Lawton,	60 Bow st.	900	1898
	DRAWING.			
9-1	Mary L. Patrick,	Newtonville.	\$1,000	1895
	SEWING.			
8-5	Mary L. Boyd,	60 Bartlett st.	\$650	1888
8-5	Emma J. Ellis,	54 Marshall st.	650	1900
8-5	Bertha P. Paul,	23 Monmouth st.	650	1900
	PENMANSHIP.			
9-1	Wm. A. Whitehouse,	94 Summer st.	\$1,500	1895

TABLE 30.—OFFICERS IN SERVICE JANUARY, 1905.

	NAME.	Residence.	Salary.	Beginning of Service.
	SUPERINTENDENT.			
	Gordon A. Southworth,	40 Greenville st.	\$3,000	1893
	CLERK.			
	Cora S. Fitch,	82 Munroe st.	\$750	1901
	TRUANT OFFICERS.			
	Lemuel H. Snow,	75 Benton road.	\$1,100	1886
	Jairus Mann,	80 Porter st.	50	1872

TABLE 31.—SCHOOL JANITORS, JANUARY, 1905.

SCHOOL.	Name.	Residence.	Salary.
Latin High, S .	Joseph Young.	51 Oxford St.	\$1,014 00
English High, S	Lewis G. Keene.	30 Berkeley St.	1,196 00
Prescott, S, 12 .	George A. McGunnigle.	50 Pearl St.	832 00
Edgerly, S, 12 .	David G. Marston.	20 Everett Ave.	832 00
Davis, F, 4 .	N. L. Pennock.	54 Putnam St.	494 00
Bell, S, 12 .	F. S. Dickinson.	1 Putnam St.	832 00
Cummings, F, 4	William T. Higgins.	48 Prescott St.	494 00
Knapp, S, 12	John C. Sampson.	14 Sanborn Ave.	884 00
Pope, F, 12 .	Hiram A. Turner.	16 Gibbens St.	884 00
Bennett, S, 12 .	Daniel T. Campbell.	140 Medford St.	884 00
Forster, S, 12 .	James L. Whitaker.	146-R Sycamore St.	832 00
Forster, S, 6 .	John H. Kelley.	19 Sycamore St.	910 00
Glines, S, 14 .	Roy C. Burckes.	249 School St.	949 00
Bingham, S, 16 .	John F. O'Brien.	5 Richardson Ter.	910 00
Morse, F, 12 .	Edwin B. Price.	33 Church St.	884 00
Durell, S, 4 .	Albert C. Taylor.	11 Berkeley St.	520 00
Burns, S, 8 .	Charles Gallaway.	160 Hudson St.	663 00
Highland, F, 12	E. P. Cook.	377 Summer St.	832 00
Lincoln, S, 4 .	W. B. Higgins.	48 Prescott St.	494 00
Hodgkins, S, 12	Andrew B. Colesworthy.	33 Simpson Ave.	884 00
Hanscom, S, 6 .	Warren Hallett.	155 Walnut St.	598 00
Carr, S, 15 .	James W. Rich.	206 Highland Ave.	1,144 00
Perry, S, 6 .	Henry C. Bradford.	72 Boston St.	598 00
Brown, S, 6 .	O. M. Pote.	23 Howe St.	598 00
Baxter, S, 6 .	Israel Winterbottom.	2 Bolton St.	598 00
Lowe, S, 8 .	John F. Richardson.	216 Morrison Ave.	663 00

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The high schools are heated by a single plant in Latin building.

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PUBLIC LIBRARY ACCOUNT.

Receipts and Expenditures for 1904.

CREDIT.	
Dog tax	\$4,178 50
Annual appropriation	15,000 00
Fines, etc.	885 64
J. O. Hayden, county treasurer	15 00
S. F. McLean & Co.	17 56

Total	\$20,096 70
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DEBIT.	
Books and periodicals	\$7,209 90
Binding	1,645 40
Cards	81 60
Printing	426 80
Stationery	82 44
Salaries	9,234 25
Agencies	407 10
Repairs	6 01
Express	426 83
Postage	65 00
Telephone	47 71
Labor	35 00
Pictures	8 39
Picture frame	5 32
Binders	51 50
Supplies	79 67
Insurance	67 50
Furnishings	19 75
Disbursements	89 00
Ice	7 20
Clock	12 00
Book stamp	26 00
Book case	14 00
Appraising	25 00
Balance	23 33

Total	\$20,096 70
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Isaac Pitman Art Fund.

CREDIT.	
Balance from 1903	\$87 15
Interest	160 00

Total	\$247 15
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DEBIT.	
Books and pictures purchased in 1904	\$241 54
Balance carried to 1905	5 61

Total	\$247 15
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Isaac Pitman Poetry Fund.

CREDIT.	
Balance from 1903	\$81 38
Interest	40 00

Total	\$121 38
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DEBIT.	
Books purchased in 1904	\$77 26
Balance carried to 1905	44 12

Total	\$121 38
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REPORT OF THE TRUSTEES.

To His Honor, the Mayor, and Board of Aldermen of the City of Somerville:—

The trustees of the public library beg to submit herewith their thirty-second annual report.

It has been the privilege of this board in each of their annual reports to record a steady and continuous increase in circulation, and it is with great satisfaction that the past year has been no exception. During the year the circulation has increased from 314,206 to upwards of 350,000, while the number of card holders has increased from 7,699 to over 13,000. Such figures are, indeed, gratifying, and are indisputable evidence that the library and its facilities are also appreciated by its citizens.

Your board are greatly encouraged by the support given to them by the public, and feel warranted in expending every effort in their power to the end that our citizens may be as well served as those residing in larger cities, where the funds available for library work are so much greater than our own. The appropriation available for the uses of the library, while not as large as is desired for up-to-date requirements, still with careful and watchful expenditure has in a great measure fulfilled the wants and demands of the year. If, however, the library is to keep up with the current demands of the modern institution, an increase of the annual appropriation is imperative. In our opinion, no investment which the city makes yields a more lasting or beneficial return.

The demands of our public schools continually increase from year to year, and it is with difficulty that the resources of the library are kept within these requirements. Modern education requires constantly increasing sources of information and reference which must be supplied if the library is to do the work fully which it has now in hand.

The value of a ready reference library in conjunction with the higher education as supplied by the high and Latin schools cannot be readily estimated. The lower grades of our schools are demanding and should also be supplied with such reference works as are required for the full supplementing of their particular studies. The teacher is making fully as many requisitions as the scholars, and their demands should be fully and unhesitatingly met. During the past year 5,169 books were sent to the various schoolrooms of the city, all of which, it must be understood, are purely of an educational nature. In addition, there are at the present time 110 special libraries, each consisting of about forty books, all of which are at the service of our schools.

Five agencies for the distribution of books generally are in continuous operation. These agencies are doing a good work, but there is a growing demand for more efficient service than can be accomplished by agencies located in stores. In West Somerville the demand is particularly strong, and it is apparent that at a period not very remote something must be done to satisfy the needs of this section. Whenever a sufficient appropriation for this special work shall be available, your board stands ready to carry out the work to the extent made possible by the funds in hand for this purpose. We strongly recommend the proposition for your serious consideration.

The creation of a branch library and reading room in the vicinity of Davis square would be hailed with joy, and it is difficult to estimate the extent of the work which it would be called upon to perform. We believe that within a very short time the number of visitors would exceed that of the main library. With such conditions confronting us, we can but ask, Why should the work be longer delayed? It is the duty of the city to give to its inhabitants every possible convenience for the cultivation of their minds, and surely their demands in this instance are worthy and should be met.

The method of supplying books to the Sunday schools continues satisfactory, and the innovation has proven popular from the start. The circulation of books in this manner will, without doubt, continue to increase.

It is again our pleasure to speak in the highest terms of commendation of the work performed by our very efficient librarian and his faithful corps of assistants.

Respectfully submitted,

CHARLES A. WEST,
President.

December 27, 1904.

REPORT OF THE LIBRARIAN.

To the Trustees of the Somerville Public Library:—

I herewith submit the librarian's thirty-second annual report. Below is a statement in detail relative to the various departments:—

The Cataloguing Department.

The cataloguing department, under the supervision of Miss Esther M. Mayhew, has had a busy year. During the past twelve months, notwithstanding the fact that we have purchased printed cards from the Library of Congress, Miss Mayhew and her assistant, Miss Hayes, have had all the work that could possibly be done, and frequently other members of the staff are detailed to assist the cataloguing department. In addition to the general catalogue, which contains author, title, and subject cards for all the books in the library, a card catalogue is now maintained in the children's room, and also in the reference room. In addition to this, author, title, and subject catalogues are now maintained in the Davis-square agency, the agency at Teele square, and a catalogue is in preparation for the agency at East Somerville. It is estimated that the work of this department has been considerably more than doubled during the past five years. There is considerable extra work that urgently demands performance during the coming year. The frequent inventories of the library which are now imperative has created the necessity of shelf-lists for the children's room, the school librarian's room, and the reference room. With assistance from these departments, it is hoped that these shelf-lists may be prepared before the next general inventory is attempted. An inventory without a shelf-list is a very slow, tedious, and unsatisfactory process.

Below are the statistics of books withdrawn from the library, books added to the library, and books bound by the library during the year:—

Books Withdrawn.

Number of books worn out	1,032	
“ “ “ lost by general readers	124	
“ “ “ “ in schools	45	
“ burned on account of infectious exposure . .	35	
Total number withdrawn	1,236	
Total number of books withdrawn to January 1, 1904 . . .		7,190
“ “ “ “ “ during 1904		1,236
Total		8,426

Books Added.

Accession number January 1, 1904	69,244
" " " " 1905	75,173
Total number of books added during 1904	5,929
Books new to library	3,364
Duplicates	2,565
Total number withdrawn	8,426
Total number of books in the library	66,747

Binding.

Volumes rebound	2,793
Periodicals bound	268
Paper-covered books bound	86
Pamphlets	27
Books mended	783
Total	3,957

The School Department.

The school department met with a great loss in the death of its school librarian, Miss Mary J. Warren, who died in May. Miss Warren had been a member of the library staff for a period of seventeen years, and, with one exception, was the senior member of the staff in point of service. Her faithfulness, her patience under physical disabilities, and her loyalty to the library will be long remembered.

Soon after her death, Miss Mary S. Woodman was appointed as her successor. The work of this department has increased rapidly from year to year, though it has been brought to such a point of development at present that a proportionate increase cannot be hoped for the future. As usual, forty books are allowed every schoolroom in the city that cares to take them as a special library; if, however, there are more than forty scholars in any room, a limit of one book to each pupil is permitted. Since the beginning of the year, 5,169 books have been sent to the schools in these libraries. Out of the 227 schoolrooms in the city, 110 are at this date supplied with special libraries. The school circulation for the current year amounts to 42,586 fiction and 40,128 other works, making a total of 82,714. During the past five years it has been a rather difficult and somewhat expensive process to build up this department to its present state of efficiency. But we are now in a position to supply the demands of the schools, and generally to supply them with promptness. It is the desire of the library to become so equipped that every schoolroom in the city, if it should desire this service, might be supplied with the books it needs at short notice.

A printed list of the books of this department arranged by the author and title, with the grades indicated for which the books are suitable, would now be a great accommodation to the school librarian and to the teachers alike. The cost of such a list as this in an edition of a thousand copies would not be large,

probably about \$200, and I recommend that such a list be prepared and printed during the coming year.

Reference and Art Department.

The reference and art department, under the supervision of Miss Mabel E. Bunker, continues to be one of the more useful departments. Below is given the monthly attendance for the year:—

January	.	.	.	.	.	.	.	.	.	.	.	1,064
February	.	.	.	.	.	.	.	.	.	.	.	1,133
March	.	.	.	.	.	.	.	.	.	.	.	1,429
April	.	.	.	.	.	.	.	.	.	.	.	1,125
May	.	.	.	.	.	.	.	.	.	.	.	1,034
June	.	.	.	.	.	.	.	.	.	.	.	658
July	.	.	.	.	.	.	.	.	.	.	.	389
August	.	.	.	.	.	.	.	.	.	.	.	491
September	.	.	.	.	.	.	.	.	.	.	.	1,116
October	.	.	.	.	.	.	.	.	.	.	.	1,366
November	.	.	.	.	.	.	.	.	.	.	.	1,661
December	.	.	.	.	.	.	.	.	.	.	.	1,110
Total	.	.	.	.	.	.	.	.	.	.	.	12,576

During the year there have been thirteen art exhibits, as follows:—

Photographs of Salisbury cathedral.
 Harper's black and white prints.
 Prang platinettes.
 German festoons.
 Venice, No. 3.
 The hundred most eminent persons of all time.
 Views of Grand Canyon of Arizona, etc.
 Decorative art from South Kensington museum.
 English lakes.
 India, from Bombay to Calcutta.
 Perugia.
 Sicily.
 Elson prints.

Many works of importance have been purchased during the current year, among which may be mentioned:—

Watt's Dictionary of Chemistry—4v.
 Cassell's Popular Science—4v.
 Cram's Standard Railway System Atlas.
 Armstrong's Gainsborough and His Place in English Art.
 Cruttwell's Luca and Andrea Della Robbia.
 Menpes' Whistler as I Knew Him.
 National Gallery—3v.
 Roe's Ancient Coffers and Cupboards.
 Shaw's Encyclopaedia of Ornament.
 Shakespeare rare print collection.
 Gusman's Pompei.
 Menpes' Venice.
 Thacher's Christopher Columbus.
 Burke's Peerage, Baronetage, and Knightage.
 Finckam's Artists and Engravers of British and American Book Plates.

Work of John S. Sargent, R. A.

During the year an appraisal of the Americana room has been made by the well-known specialist, George E. Littlefield, and a value has been placed by him on every book in our Americana collection. Mr. Littlefield finds the total value of this collection \$8,571.80. He speaks in high terms of the fullness and range of the department. The commercial value of this collection appreciates every year. Mr. Littlefield very generously donated to the library the amount paid him for his services in appraising the Americana room. This sum—\$25—has been used in the purchase of Americana books.

The Children's Department.

The children's department, under the supervision of Miss Anna L. Stone, has continued to supply the children of the city with a wide range of useful and inspiring books. Though this room, at certain hours of the day, is taxed to its full capacity, it is evident that a large proportion of the children of the city cannot directly share in its benefits. The distance of the library from the eastern and western extremities of the city prevents the younger children, at least, living in those localities from visiting our children's room. It is safe to say that half the children of Somerville never, or very seldom, enter the children's room of the public library. The great pleasure and benefit of those children who do visit the room, as well as the enthusiastic gratitude of many of their parents, makes it all the more a matter of regret that these advantages cannot be shared by the entire youthful population of the city. We are under the necessary injustice of treating the children of one section of the city better than the children of other sections. It is to be hoped that this injustice may be lessened in the future by the establishment either of branch libraries or much larger and better equipped agencies.

The children's room is not an ideal room, either on the score of situation, ventilation, or artistic construction, but an effort has been made the present year to beautify it as much as its natural limitations will permit. A series of picture bulletins have been displayed through the year, and such subjects have been treated pictorially as Bryant, Whittier, Washington, Lincoln, Columbus, the Seventeenth of June, Thanksgiving day, Christmas, football, etc. In addition to the pictorial treatment of these subjects, a list of the best books bearing upon them has in most instances been displayed. A few good pictures have been purchased for the permanent adornment of the walls. A few Nature charts, with illustrations of birds, flowers, animals, and fishes, some simple historical charts, and a large globe, are needed for the full equipment of the room.

The circulation of the children's room by months is herewith appended:—

Month.	Fiction.	Other Works.	Total.
January	4,162	1,038	5,200
February	4,226	1,229	5,455
March	6,444	1,959	8,403
April	4,508	1,246	5,754
May	4,911	1,059	5,970
June	3,305	652	3,957
July	3,654	641	4,295
August	3,216	544	3,760
September	3,004	699	3,703
October	3,648	1,098	4,746
November	5,790	2,000	7,790
December	4,209	1,365	5,574
Totals	51,077	13,530	64,607

Of the above total, 79.06 per cent. is fiction, and 20.94 per cent. is other works.

Agencies.

The agencies still do their usual amount of work. The Magoun-square agency, however, has been discontinued. We now in all our agencies, with one exception, allow people to select books from small collections that are kept in these agencies for public use. Of course but a few hundred books in any instance can be kept for this purpose, but the number taken from the shelves is very much greater than the number ordered through the main library. When a book is taken from the shelves in an agency, the chooser has only a few hundred books from which to select. But if he takes books on his card, the resources of the whole central library are at his disposal. But yet the freedom of selecting one's own book by coming in direct contact with it is appreciated so highly that readers much prefer to select their books personally from a very meagre collection, rather than to draw them by card from a very large collection. This is certainly a strong argument in favor of "free access."

I am a thorough believer in library agencies, but I also believe in evolution. It is the natural tendency of the successful agency to evolve into something better. This tendency ought to be encouraged. As the population of the city increases, new agencies should be established commensurate with the growth of the population. But an agency can supply a section adequately only up to a certain limit. The time is sure to come in the growth of a prosperous agency when it can no longer adequately meet the public needs. When that time comes, it should evolve into a branch library. Such a need is felt now, and has long been felt, in the West Somerville section of the city. It may be urged that if a branch library is established there, other sections sometime in the future may also demand branch libraries. This is true, and a fact that should not be blinked. But judging from the present growth of the agency system, it will be several years before the natural evolution of the library system will demand

another branch library in any other section of the city. When that time does arrive, then such a demand should be considered as an evidence of growth, progress, and intellectual development, and be met with gratulatory joyfulness.

Below is a table of circulation of the different agencies during the year:—

Agencies.						Teale Square.	East Somerville.	West Somerville.	South Somerville.	Union Square.
January						749	105	302	241	46
Shelves						410	317	926		
February						833	102	357	2 59	51
Shelves						714	285	1,400		
March						1,053	102	508	347	39
Shelves						699	350	1,355		
April						834	80	373	255	36
Shelves						760	582	1,306		
May						896	97	438	325	45
Shelves						805	467	1,200		
June						621	53	311	222	31
Shelves						655	416	1,078		
July						537	72	241	237	35
Shelves						618	366	1,072		
August						639	48	323	2 88	52
Shelves						625	348	924		
September						526	36	279	206	28
Shelves						578	394	1,150		242
October						620	56	318	212	31
Shelves						753	412	1 520		170
November						707	58	349	293	25
Shelves						1,065	658	1,742		283
December						626	37	323	231	33
Shelves						779	476	1,313		
						17,102	5,917	19,108	3,116	1,147

Sunday School Libraries.

The library still continues to supply a number of the Sunday schools of the city with such books as the Sunday schools may wish to select up to the number of 100. The service has proven



A GROUP OF DELIVERY BOYS

Amount brought forward	202,565
July	18,161
August	21,839
September	18,598
October	24,477
November	38,326
December	29,320
Total	353,286

Last year the circulation was 314,206. Consequently there is a net increase the current year of 39,080, a gain of about thirteen per cent. The percentage of fiction is seventy-three and one-half per cent.; of other works, twenty-six and one-half per cent.

Below is given our circulation by classes, exclusive of fiction:—

General works	7,101
Philosophy	1,853
Religion	5,666
Sociology	10,541
Philology	1,433
Natural science	9,877
Useful arts	4,107
Fine arts	8,678
Literature	16,924
History	23,226
Total of general delivery	89,406
Total of children's room	13,520
Total of specials	678
Total of other works	103,604

Below is the statistical statement of the general work of the year:—

Accession number January 1, 1905	75,173
Accessions in 1904	5,929
Total circulation	353,286
Delivered from children's room	64,597
“ “ Teele square	8,641
“ “ “ shelves	8,461
“ “ East Somerville	846
“ “ “ shelves	5,071
“ “ West Somerville	4,122
“ “ “ shelves	14,986
“ “ South Somerville	3,116
“ “ Union square	452
“ “ “ shelves	695
Volumes out in Sunday schools	1,058
“ “ “ school libraries	5,169
Delivered from Knapp school	1,879
Visitors in reference room	12,576
Cards issued	5,476
Books covered	1,947
Fines	\$735 02
Gift	25 00
Books	114 22
Telephone	11 40
Total	\$885 64

The library has received the following donations of books, pamphlets, and periodicals during the past year :

List of Donations.

	Vols.	Pamph.	Period.
Allen, Mrs. E. F.			54
American Congregational Association		1	
Amherst College	1		
Armstrong Association		1	
Associated Charities		1	
Boston Atheneum		1	
Boston Transit Commission	2		
Boston Y. M. C. A.		1	
Bridge, James H.	1		
Brown University	1	1	
Browne, Fred E.	10		
Carnegie, Andrew	1		
Cemetery Department		1	
Chandler, William E.		1	
Children's Institutions		2	
Clark University		5	
Commission Bureau of Labor Statistics	1		
Cutler, S. Newton	8		
Davis, Walter A.	1		
Department of Education, N. Y.		1	
De Pauw University		1	
Dodge, Melvin G.	1		
Dolbear, Professor A. E.	1		
Fleming, J. L.		1	
Gloues, W. J.		1	
Goldsmith, Benj. W.	5		
Harrison, Carter H.	1		
Harvard University	1		
Herbert, John			24
Indian Rights Association		1	
Indo-American Book Co.	2		
Iowa College		2	
Leland Stanford, Jr., University	1		
Library of Congress	2	12	
Lincoln, Blanche G.	1		
Lincoln, Charles P.	13		
Lincoln, Mary L.	1		
Lincoln, Mass.		1	
Little, Brown & Co.	1		
Madison Free Library Commission		2	
Massachusetts	41		
Massachusetts Free Library Commission		1	
Massachusetts Institute of Technology	1		
Massachusetts State Library		1	
Masters, Edgar Lee	1		
Middlesex County	1		
Mitchell, William	2		
Moody, J. H.	1		
Morse Institute		1	
Mount Auburn Cemetery		1	
Carried forward	103	41	78

LIST OF DONATIONS.—Continued.

	Vols.	Pamph.	Period.
Brought forward	103	41	78
Museum of Fine Arts		1	
National Municipal League		1	
Ohio State University	1		
Peabody Institute		2	
Peace Congress		1	
Perry, Henry F.	1		
Philippine Civil Service Board		1	
Philippine Independence Committee		1	
Phillips, S. L.	1		
Poole, George S.	3		
Preble, Edward P.	1		
Providence Atheneum		1	
Public Libraries:—			
Allegheny, Pa. (Carnegie Library)		1	
Arlington (Robbins Library)		1	
Atlanta, Georgia		2	
Attleboro		1	
Baltimore (Enoch Pratt Library)		1	
Beverly		1	
Boston	1	1	
Braddock, Pa. (Carnegie Library)		1	
Brockton		1	
Brookline		1	
Brooklyn, N. Y.		1	
Cambridge		1	
Carlisle, Pa. (F. Herman Bosler Library)		1	
Cedar Rapids, Iowa		1	
Chelsea (Fitz Library)		1	
Cleveland, Ohio		1	
Concord, Mass.		1	
Concord, N. H.		1	
Dayton, Ohio		1	
Detroit, Mich.		1	
Dover, N. H.		1	
Everett (Parlin Library)		1	
Everett (Shute Library)		1	
Fitchburg		1	
Fitchburg (Wallace Library)		1	
Groton		1	
Hagerstown, Maryland		1	
Haverhill		1	
Laconia, N. H.		1	
Lancaster,		1	
Leominster		1	
Lincoln		1	
Los Angeles, Cal.		5	6
Ludlow, Vt. (Fletcher Library)		1	
Lynn		1	
Malden		1	
Manchester, N. H.		1	
Marblehead (Abbot Library)		1	
Medford		2	
Carried forward	111	94	84

LIST OF DONATIONS. — Concluded.

	Vols.	Pamph.	Period.
Brought forward	111	94	84
Public Libraries (Continued):—			
Melrose		1	
Milwaukee, Wis.		1	
Minneapolis, Minn.		1	
Nashville, Tenn. (Carnegie Library)		1	
Newark, N. J.		2	
New Bedford		1	
Newburyport		1	
New Haven, Conn.		1	
Newington, N. H.		1	
New Orleans, La.		1	
Newton		1	
Niagara Falls, N. Y.		1	
Paterson, N. J.		1	
Paterson, N. J. (Danforth Library)		1	
Philadelphia, Pa.		1	
Pittsburg, Pa. (Carnegie Library)		2	
Portland, Me.	1	1	
Poughkeepsie, N. Y.		1	
Providence, R. I.		1	
Quincy (Thos. Crane Library)		1	
Revere	1		
Rochester, N. H.		1	
St. Louis, Mo.		2	
Salem		1	
San Francisco, Cal.		1	
Scranton, Pa.		1	
Springfield		2	
Syracuse, N. Y.		1	
Waltham		1	
Watertown		1	
Westborough		1	
Weymouth (Tufts Library)		1	
Winchester		1	
Winthrop		1	
Woburn		1	
Worcester		3	
Yarmouth		1	
Reformed Mennonite Church	1		
Rocca, Rev. D. A.		1	
St. Louis Mercantile Library Association		1	
Sanborn, Mrs. Carrie A.	3		
Smithsonian Institute	1		
Society for the Protection of New Hampshire Forests		1	
Storey, Moorfield		1	
Sutro, Theodore		2	
Tabor Academy		1	
Thomas, Reuen		1	
Tufts College	1	1	
Underhill, Jesse J.	5		
United States	3	1	
University of Colorado	1		
University of Porto Rico	1		
Waltham School for Feeble Minded		1	
West, Charles A.	4		
Willis, Dr. J. L. M.	1		
Wilmington Institute		1	
Totals	134	148	84

Remarks.

It has been the aim of the library for the past few years to steadily duplicate its standard works. It has done this with the hope eventually of supplying all demands outside the domain of current fiction that may be made upon it. It would be an exaggeration to say that this hope has been fulfilled entirely. But it is no exaggeration to say that the standard works in the domains of literature, history, science, and sociology (that are not of a narrowly technical nature) may be found in the library when asked for. Current fiction cannot usually be obtained when asked for, and to supply the demand for fiction is, I presume, a problem hopeless of solution. Personally, I wish that the best fiction might be purchased in sufficient amounts to supply the demand. Many people will read fiction when they can secure it, and the conviction must be borne home to all librarians that most people will read nothing else. Very possibly this is not the most desirable condition of affairs. But the wise man will mold the present condition of affairs, however undesirable, into something better if he can. If most people will read nothing but novels, the best thing that can be done is to give them no other kind of novels but good novels. The most confirmed novel readers will read good novels when they cannot get bad ones; and here is the opportunity of the public library. Let it furnish the people with good novels, and, if possible, furnish them with enough good novels to supply the demand. Considering the universal clamor for such service, the universal tax-payer, logically, ought not to complain if a larger appropriation for such a purpose should be asked for.

The library has had a prosperous and progressive year. I wish to record my thanks for the efficient service of the staff and the kindly co-operation of your board.

Respectfully submitted,

SAM WALTER FOSS,

Librarian.

December 28, 1904.

BOARD OF HEALTH

1904

ALLEN F. CARPENTER, Chairman.
EDMUND S. SPARROW,
WESLEY T. LEE, M. D.

OFFICERS OF THE BOARD OF HEALTH.

WILLIAM P. MITCHELL, Clerk and Agent to Issue Burial Permits.
CALEB A. PAGE, Agent.
FRANK L. MORSE, M. D., Bacteriologist.
CHARLES M. BERRY, Inspector of Animals and Provisions.
JULIUS E. RICHARDSON, Milk Inspector.
DUNCAN C. GREENE, Plumbing Inspector.
EDGAR T. MAYHEW, Superintendent Collection of Ashes and Offal.

REPORT OF THE BOARD OF HEALTH.

OFFICE OF THE BOARD OF HEALTH, }
CITY HALL, January 1, 1905. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—We respectfully submit the following as the twenty-seventh annual report of the board of health, in which is presented a statement, tabulated and otherwise, of the sanitary condition of the city and the business of the board for the year ending December 31, 1904:—

Nuisances.

A record of nuisances abated during the year, in compliance with notices issued by the board, or under the board's direction, is presented in the following table:—

NUISANCES ABATED IN EACH DISTRICT IN 1904.

(SEE DESCRIPTION OF DISTRICTS IN LATTER PART OF THIS REPORT.)

	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Total.
Population (estimated).	8,360	6,429	5,672	6,625	12,373	7,131	7,871	4,035	5,605	5,399	69,500
Bakery offensive	1	.....	1	....	1	.....	1	.....	1	2	7
Cellar damp	8	4	3	2	.....	6	3	1	1	1	29
Cesspool offensive . . . . .	.....	.....	.....	.....	.....	2	2.	1	.....	2	7
Cow barn offensive	4	1	.....	2	.....	1	.....	.....	1	.....	9
Cows kept without license . . . . .	.....	.....	.....	.....	.....	2	.....	.....	1	1	4
Drainage defective	18	13	15	16	15	17	15	13	14	14	150
Drainage emptying into cellar	4	1	1	2	1	2	3	1	2	1	18
Drainage emptying on surface	3	1	2	3	1	2	4	2	4	2	24
Fish offal	1	.....	.....	1	1	1	.....	.....	1	.....	5
Goats kept without license	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Hens in cellar	4	.....	1	.....	.....	.....	.....	1	.....	.....	6
Hennery offensive	2	1	2	.....	.....	1	.....	.....	.....	1	7
Manure exposed and offensive	4	3	4	3	3	4	1	5	.....	2	29
Manure pit defective	6	2	1	1	2	2	1	3	1	1	20
Offal on land	4	2	5	2	1	1	1	2	1	1	20
Offensive odor in and about dwellings	3	2	1	1	.....	1	.....	2	.....	.....	10
Pigs kept without license	3	.....	.....	.....	1	.....	.....	.....	1	1	6
Pigeons in cellar	1	.....	.....	.....	.....	.....	.....	.....	.....	1	2
Premises dirty	43	19	15	17	16	19	11	16	18	10	184
Privy-vault offensive	9	4	.....	.....	.....	6	1	.....	1	1	22
Rubbish in cellar	10	4	8	7	3	5	4	2	4	3	50
Sewage-gas in house	3	1	2	1	1	.....	.....	1	1	.....	10
Slops thrown on surface	6	3	5	6	3	4	2	3	2	2	36
Stable infected with glanders	25	2	6	4	4	6	6	2	3	4	62
Stable and stable premises filthy and offensive	6	2	3	4	1	3	.....	1	1	2	23
Stable without drainage	5	1	2	1	1	2	1	1	1	1	16
Stagnant water on surface	1	.....	2	.....	.....	.....	.....	.....	1	1	5
Water-closet defective	9	6	3	4	2	4	3	.....	2	1	34
Water in cellar	5	6	5	4	5	10	4	3	3	4	49
Water under stable	6	2	3	1	.....	2	1	1	1	.....	17
Total	197	80	90	82	62	103	64	61	66	59	864

Number of nuisances abated	864
Number of nuisances referred to board of 1905	47
Number of nuisances complained of	911
Number of complaints (many covering more than one nuisance)	408
Number of notices mailed	585
Number of notices served by constables	9

In addition to the above, 245 dead animals have been removed from the public streets, and many nuisances have been abated on verbal notice from the agent, without action by the board, of which no record has been made. Each spring the whole city is examined, and cellars, yards, and alleyways where rubbish and filth have collected are required to be cleaned.

Glanders.—Sixty-two cases of glanders have been reported during the year. Prompt action was taken in every case, and fifty-six of the horses were killed, six being released from quarantine by order of the cattle commissioners.

Permits.

The record of permits to keep cows, swine, goats, and hens, to collect grease, and to remove manure is as follows:—

Cows.—Thirty-two applications were received for permits to keep 110 cows. Twenty-nine permits to keep 102 cows were granted, and three permits were refused.

Swine.—Seventeen applications were received for permits to keep thirty-one swine. Fifteen permits were granted to keep twenty-five swine, and two permits were refused. The fee is one dollar for each swine.

Goats.—Seven applications were received for permits to keep seven goats. All were granted. The fee is one dollar for each goat.

Hens.—One hundred twenty-three applications for permits to keep 3,243 hens were received. One hundred nine permits to keep 2,919 hens were granted, and fourteen permits were refused.

Grease.—Fourteen applications were received for permits to collect grease, eleven of which were granted. The fee is two dollars. Two of the parties licensed reside in Somerville, two in Charlestown, four in Cambridge, two in Boston, and one in Watertown.

Manure.—Seven permits were issued during the year for the carting of manure through the streets of the city in the daytime between May 1 and November 1. All permits issued for the removal of manure from the stables in the city in the daytime, or for carting through the streets of the city, remain in force until revoked. No fee is charged for these permits.

Melting and Rendering.—Seven parties have been licensed to carry on the business of melting and rendering, under the provisions of the revised laws of 1902, chapter 75, section 111.

This paper has been sold to the Middlesex Paper Company to April 22, when the company went out of business, at seventy-five cents a load, and the amount credited to the appropriation for this department.

The collections are made weekly, as follows:—

Monday	.	.	.	.	.	.	.	.	.	in district one.
Tuesday	.	.	.	.	.	.	.	.	.	" two.
Wednesday	.	.	.	.	.	.	.	.	.	" three.
Thursday	.	.	.	.	.	.	.	.	.	" four.
Friday	.	.	.	.	.	.	.	.	.	" five.
Saturday	.	.	.	.	.	.	.	.	.	" six.

MONDAY, DISTRICT NO. 1.

Comprises the entire area extending easterly to the cities of Boston and Cambridge, from a line drawn across Somerville, commencing on Mystic avenue, and extending through Cross street, Central square, Medford street, Washington street, Prospect street, Webster avenue, Tremont street to the Cambridge line and including collection on both sides of the above-named streets along the division line described.

TUESDAY, DISTRICT NO. 2.

Comprises the entire area extending westerly from the previously-described district number 1 to a line drawn across the city, commencing on Mystic avenue, and extending through Wheatland street, across Broadway, through Walnut street, and extending across Bow street and Somerville avenue, through Hawkins street, Washington street, Perry street, Wyatt street, Concord avenue, crossing Beacon street to the Cambridge line, and including collection on both sides of the above-named streets along the division line described.

WEDNESDAY, DISTRICT NO. 3.

Comprises the entire area extending westerly from the previously-described district number 2, to a line drawn across the city, commencing at the Medford boundary line at Main street, and extending easterly along said Main street, across Broadway, through Sycamore street, thence easterly on Highland avenue, through School street, thence westerly on Somerville avenue, through Dane street and Washington street to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

THURSDAY, DISTRICT NO. 4.

Comprises the entire area extending westerly from the previously-described district number 3, to a line drawn across the city, commencing at the Medford line at Magoun square, and extending on Medford street to Lowell street, thence easterly on Somerville avenue and through Park street to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

FRIDAY, DISTRICT NO. 5.

Comprises the entire area extending westerly from the previously-described district number 4, to a line drawn across the city, commencing on Broadway, and extending through Willow avenue to the Cambridge line, and including the collection on both sides of the above-named streets along the division line described.

SATURDAY, DISTRICT NO. 6.

Comprises the entire area extending westerly from Willow avenue to the Medford, Arlington, and Cambridge lines.

RULES AND REGULATIONS FOR COLLECTION OF ASHES AND OFFAL.

Ashes must be put in suitable receptacles not larger than an ordinary flour barrel, and must be kept free from all other refuse matter.

House offal or garbage must be kept free from all other refuse matter, and in suitable vessels.

All other refuse, such as paper, rags, excelsior, straw, mattresses, old clothes, pasteboard boxes, carpets, etc., must be kept free from ashes and garbage, and placed in suitable packages or barrels to prevent being scattered in handling.

All ashes and refuse matter for removal must be placed on the outer edge of the sidewalk, on or before seven o'clock in the morning of the day when the collection is to be made.

Earth, gravel, bricks, mortar, stones, lime, plaster, cement, concrete, or refuse material from repairs or construction of buildings will not be removed by this department.

The department will remove tree trimmings, vine cuttings, and yard cleanings during the spring and summer months.

Employees of this department are not allowed to enter cellars, cellar-ways, bulkheads, or areas for the removal of ashes or offal.

House Offal.

The house offal has been collected by the city during the year under the same system that has been employed in the removal of ashes, and which was adopted in both departments in the year 1895. The offal collected has been sold to Hannibal S. Pond for \$1,100.

The force employed consists of twenty-four men, with twelve horses and twelve wagons.

The following table, showing the number of loads collected each month during the year, may be of interest:—

January	.	.	.	.	.	.	.	.	.	520
February	.	.	.	.	.	.	.	.	.	508
March	.	.	.	.	.	.	.	.	.	540
April	.	.	.	.	.	.	.	.	.	520
May	.	.	.	.	.	.	.	.	.	510
June	.	.	.	.	.	.	.	.	.	612
July	.	.	.	.	.	.	.	.	.	553
August	.	.	.	.	.	.	.	.	.	609
September	.	.	.	.	.	.	.	.	.	628
October	.	.	.	.	.	.	.	.	.	626
November	.	.	.	.	.	.	.	.	.	618
December	.	.	.	.	.	.	.	.	.	648
Total	.	.	.	.	.	.	.	.	.	6,892

Average weight per load, 3,000 pounds.

Stables.

Under the provisions of sections 69 and 70 of the revised laws of 1902, forty-four petitions for licenses to erect and use stables were received and disposed of as follows:—

Number granted	.	.	.	.	.	.	.	29
Number refused	.	.	.	.	.	.	.	15

Board of Infants.

Eight parties, whose applications were first approved by this board, have been licensed by the state board of charity to care for sixteen children, in this city, under the provisions of chapter 83 of the revised laws of 1902.

Deaths.

There were 964 deaths and sixty-three stillbirths in the city during the year, as specified in the following table, which shows an increase of deaths over the previous year of nine:—

Deaths at Somerville hospital during the year	62
Deaths at home for aged poor (Highland avenue),	56
Deaths at City home	2

DEATHS BY AGES.

AGES.	Total.	Male.	Female.
Under one	169	97	72
One to two	33	20	13
Two to three.	12	8	4
Three to four	15	12	3
Four to five	9	9	0
Five to ten	22	14	8
Ten to fifteen	17	9	8
Fifteen to twenty	20	8	12
Twenty to thirty	60	29	31
Thirty to forty	69	30	39
Forty to fifty	89	40	49
Fifty to sixty	97	42	55
Sixty to seventy	133	71	62
Seventy to eighty	144	78	66
Eighty to ninety	63	22	41
Ninety and over	12	3	9
Total	964	492	472

Of the stillborn, 39 were males and 24 females.

Mortality in Somerville in 1904.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
I. GENERAL DISEASES.													
<i>(A. Epidemic Diseases.)</i>													
Scarlet fever		1	1									1	3
Diphtheria	3	3		1	3		1	1				2	14
Typhoid fever	1		1		1	1	1	2			3	1	11
Measles			1		1	1							3
Erysipelas			2	1	1							1	5
Cholera morbus					1				1				1
Dysentery					1	1		1	1				4
La grippe			2	2						1	1		6
<i>(B. Other General Diseases.)</i>													
Septicæmia		2	1					2					5
Rheumatism		1	1				1			1	1		5
Anæmia		1			2			1	1	2			7
Cancer	3	8	6	4	6	1	5	2	5	5	2	5	52
Tumor			1			1	1		2				5
Leukæmia											1		1
Diabetes	2		1	3	3	1	1		1	1	1	2	16
Tuberculosis	13	9	8	14	10	8	4	2	8	7	3	8	94
Tubercular meningitis	1	3	1		1	1				2	1		10
II. DISEASES OF THE NERVOUS SYSTEM.													
Meningitis	2	1	1	4	2	1		1	2		1	4	19
Apoplexy	9	6	3	4	4	3	4	9	7	5	2	5	61
Paralysis	2	1		5	2	1		1	2	2	3	4	23
Brain diseases			1		1	1		1		2			6
Convulsions		1		1					1	1		1	5
Spinal disease	2				1								3
Hemiplegia	1			1	1								3
Epilepsy												1	1
Myelitis								1				1	2
Eclampsia		1						1			1		3
III. DISEASES OF THE CIRCULATORY SYSTEM.													
Heart disease	8	17	12	9	9	7	9	4	9	8	5	6	103
Angina pectoris		1				1		1				1	4
Cyanosis						1		1	1		1		4
IV. DISEASES OF THE RESPIRATORY SYSTEM.													
Pneumonia	16	13	16	12	8	1	7	2	6	6	13	10	110
Bronchitis		6	1	3	4		1	1	1		4	9	30
Hemorrhage												2	2
Asthma	2	1											3
Laryngitis							1						1
Pulmonary œdema	1	2	2	1	1		1	1		1	2		12
Emphysema		1			1					1			3

MORTALITY IN SOMERVILLE IN 1904. — Concluded.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
V. DISEASES OF THE DIGESTIVE SYSTEM.													
Perforation of stomach										1			1
Gastritis		1	2			1	2		1	1	3	4	15
Peritonitis	3	1	1	1	1			1		2	1	1	12
Diarrhœa	1					1		2		1			5
Cholera infantum				1	1		2	4	5				13
Liver disease	1	1			1							1	4
Gastric ulcer				1						2	1		4
Enteritis	1	1	1	1		1	1	3	5	1	2		17
Hernia				2					1			1	4
Appendicitis				1		1	1	1	2			1	10
Cirrhosis			1					2	1	1	1		6
Jaundice	1	1					1	1				1	5
VI. DISEASES OF GENITO-URINARY SYSTEM.													
Bright's disease	2	2	3	3		3	1		1	5	1	4	25
Cystitis				1	2	1	2		1	1		1	9
Nephritis	3	2	4	3	7	5	4	4	2	5	8	3	51
VII. CHILDBIRTH.													
Childbirth			2	1	1	1		1			1	1	8
Hemorrhage								1					1
VIII. DISEASES OF THE SKIN.													
Abscess	2	1			1				1			1	6
Eczema			1										1
Gangrene							1			2			3
Ulcer										1			1
IX. DISEASES OF THE LOCOMOTOR SYSTEM.													
X. MALFORMATIONS.													
Hydrocephalus	1	1											2
Malformation		1					1						2
XI. EARLY INFANCY.													
Inanition	3	2	5	1	3	3		4	2	5		2	30
Premature birth and congenital debility	4	2		2	6	1	4	6	4	1	4		34
XII. OLD AGE.													
Old age		2	2	2	3	1		1		1	2	1	15
XIII. VIOLENCE.													
Alcoholism											2	1	3
Drowning						1							1
Railroad	2				1		1		1		1	1	7
Suicide						1							1
Burning	1	2		1			1			1	1	2	9
Poisoning									1				1
Fracture of shoulder		1											1
Fracture of skull		2	1	1							1		5
Fracture of hip						1			1				2
Gas poisoning	1												1
Concussion of brain		1	1									1	3
Suffocation		1							1		1	1	4
Total	92	106	87	87	91	54	59	66	78	77	75	92	964
Stillborn	8	2	5	5	5	6	2	8	2	5	9	6	63

Population (estimated) 69,500
 Death rate per thousand 13.9

Social Relations of Decedents.

Married	325
Single	405
Widow	154
Widower	76
Divorced	4
Unknown	—
Total	964

Nativity of Decedents.

Somerville	264
Massachusetts	226
Other New England states	158
Other states	17
Canada	77
England, Scotland, and Wales	37
Ireland	160
Italy	5
Norway and Sweden	4
Russia	4
Other countries	12
Unknown	—
Total	964

Nativity of Parents of Decedents.

	Father	Mother
Somerville	24	21
Massachusetts	161	180
Other New England states	176	165
Other states	28	15
Canada and provinces	103	115
England, Scotland, and Wales	73	55
Ireland	289	297
Italy	16	16
Norway and Sweden	13	16
Russia	7	7
Other countries	24	20
Unknown	50	57
Total	964	964

Of the parents of the stillborn, 27 fathers and 31 mothers were natives of the United States, and 36 fathers and 32 mothers were of foreign birth.

Diseases Dangerous to the Public Health.

This board has adjudged that the diseases known as small-pox, scarlet fever, diphtheria, membranous croup, typhus fever, typhoid fever, chicken-pox, pulmonary tuberculosis, and cholera are infectious, or contagious, and dangerous to the public health and safety within the meaning of the statutes. Physicians are required to report immediately to the board every case of either

of these diseases and all cases of measles coming under their care, and postal cards conveniently printed and addressed are supplied to them for the purpose. On receipt of a card from a physician, the superintendent of schools, the principal of the school in the district in which the patient resides, and the librarian of the public library are notified.

Scarlet Fever.—One hundred nineteen cases of scarlet fever have been reported during the year, three of which resulted fatally. In 1903 there were one hundred forty-six cases, ten of which resulted fatally.

Diphtheria.—Three hundred and seventy-one cases of diphtheria have been reported during the year, fourteen of which were fatal. In 1903 there were two hundred and eight cases, nineteen of which proved fatal. Anti-toxin has been provided by the state board of health, and placed by this board in central locations for use by physicians in cases where people are unable to purchase the same. Culture tubes for diphtheria and sputum bottles for suspected tuberculosis have been obtainable at the same stations.

Warning cards are used in dealing with scarlet fever and with diphtheria, and the premises are fumigated by the use of the formaldehyde gas regenerator, immediately after the termination of the case. An inspection is made by the agent of the board of the premises where diphtheria is reported, and all sanitary defects discovered are required to be remedied as soon as possible.

Typhoid Fever.—Ninety-six cases of typhoid fever have been reported during the year, eleven of which have proved fatal. In 1903 there were thirty-eight cases reported, ten of which were fatal.

Typhus Fever, Cholera.—No cases of typhus fever or cholera have been reported the past year.

Smallpox.—No cases of smallpox have been reported during the year.

Number of cases of scarlet fever and diphtheria for which houses	
were placarded	490
Number of premises disinfected by agent	629

Disinfection.

It will be seen by the foregoing figures that, in addition to the 490 premises infected with scarlet fever or diphtheria, 139 other premises were disinfected. This work was done at the request of attending physicians whose patients, in nearly all cases, had been ill with consumption, typhoid fever, or cancer. It has become the general practice among physicians to ask that rooms which have been occupied by persons suffering from consumption or cancer be disinfected.

Many library books have also been disinfected, and quantities of infected bedding and other material have been burned.

TABLES.

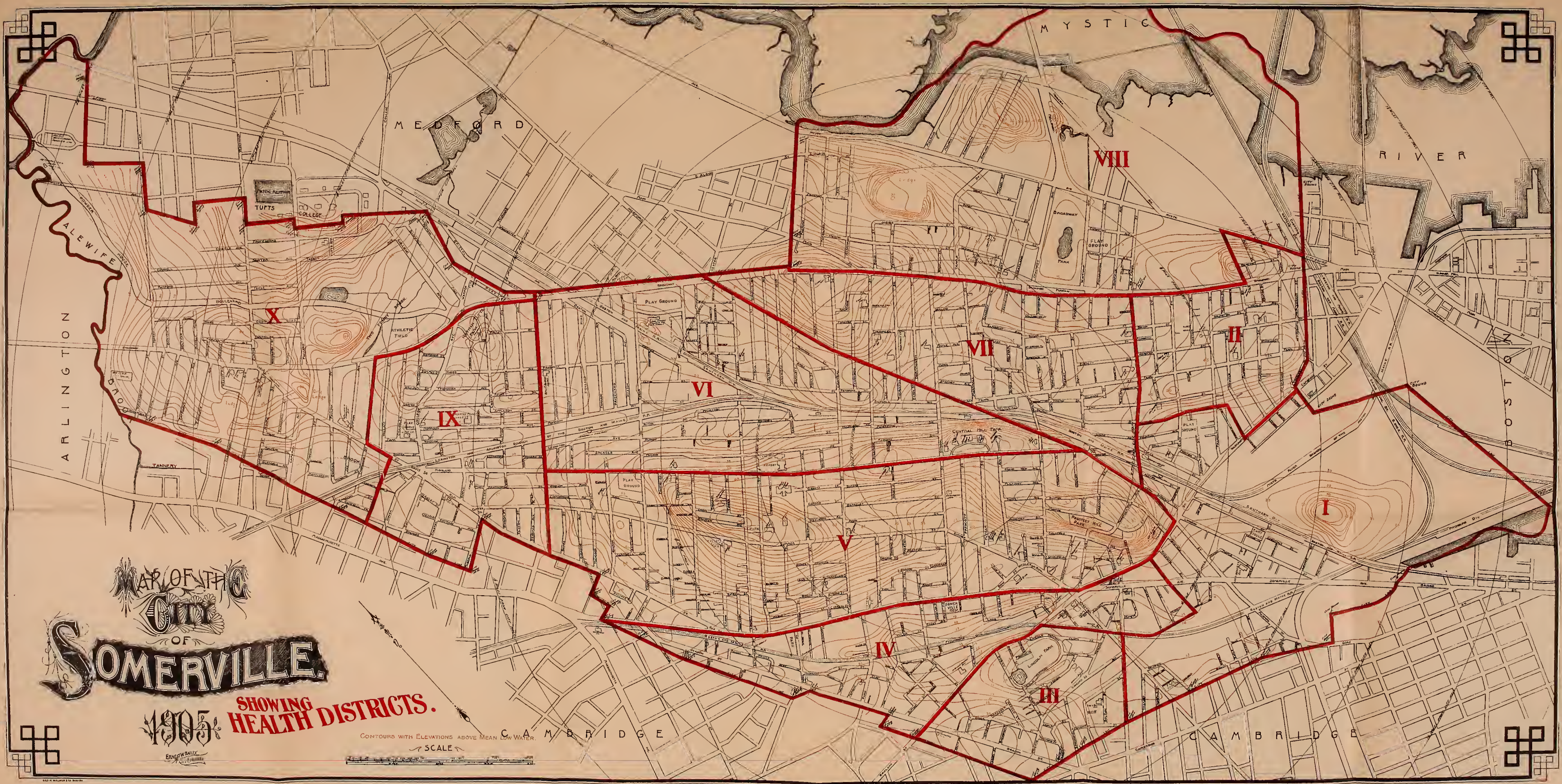
The prevalence of scarlet fever, diphtheria, and typhoid fever in the city during the several months of the year 1904 is shown by the following table, and in the table next following is given the number of deaths from these three diseases, by months, during the last ten years : —

Scarlet Fever, Diphtheria, and Typhoid Fever Reported in 1904.

MONTHS.	SCARLET FEVER.			DIPHTHERIA.			TYPHOID FEVER.		
	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.	Cases Reported.	Number of Deaths.	Percentage of Deaths.
January	19	....	....	55	3	5.5	3	1	33.3
February	4	1	25.0	28	3	10.8	1	....	....
March	7	1	14.3	13	....	....	2	1	50.0
April	6	....	....	32	1	3.1	3	....	....
May	13	....	....	19	3	15.8	7	1	14.3
June	4	....	....	59	....	....	3	1	33.3
July	2	....	....	37	1	2.7	3	1	33.3
August	3	....	....	12	1	8.4	13	2	15.3
September	14	....	....	17	....	....	19	....	....
October	9	....	....	21	....	....	24	....	....
November	25	....	....	38	....	....	11	3	27.3
December	13	1	7.7	40	2	5.0	7	1	14.3
Total	119	3	2.5	371	14	3.8	96	11	11.5

Deaths from Scarlet Fever, Diphtheria, and Typhoid Fever in the Last Ten Years.

MONTHS.	SCARLET FEVER.										DIPHTHERIA.										TYPHOID FEVER.									
	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.	1895.	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	1904.
January	8	..	..	..	..	..	..	4	..	..	4	12	..	2	1	7	10	4	1	3	..	2	..	2	1	..	1	..	3	1
February	5	..	..	..	..	1	4	1	2	1	1	5	2	..	2	1	4	..	2	3	1	1	..	2	1	1	2	..	1	..
March	2	1	2	..	..	..	1	..	..	1	6	3	4	..	..	5	2	..	3	..	..	..	..	..	..	..	1	1	1	1
April	1	..	2	..	..	2	..	..	..	..	6	5	5	1	..	2	..	1	1	1	..	2	1	2	..	..	..	..	..	..
May . . . . .	..	..	..	..	..	..	..	..	..	..	4	4	7	1	1	5	3	2	2	3	..	1	1	1	1	..	..	1	1	1
June . . . . .	..	..	..	..	..	..	..	..	1	..	..	2	1	..	..	3	1	..	1	..	1	2	..	1	..	..	1	..	1	1
July	1	..	2	..	..	..	..	..	..	..	2	5	1	..	..	4	..	1	..	1	..	1	2	..	1	1	1	..	1	1
August . . . . .	..	1	..	..	..	..	..	..	..	..	3	2	3	3	..	..	2	1	2	1	2	2	2	1	2	1	1	..	2	2
September . . . .	..	..	..	..	..	..	..	..	..	..	2	2	7	..	..	9	1	..	2	..	..	6	2	..	2	1	3	1	2	..
October . . . . .	..	2	..	..	..	1	..	..	..	..	3	1	5	..	1	6	3	2	2	..	4	3	2	1	1	3	1	1	2	..
November . . . .	..	..	..	..	..	2	..	1	..	..	4	7	8	2	1	3	2	3	2	..	..	5	1	..	3	2	..	..	3	3
December . . . .	..	1	..	..	3	1	..	1	3	1	8	6	1	1	5	4	1	5	2	2	1	1	..	1	3	..	3	1	..	1
Total	17	5	6	0	3	7	5	3	10	3	43	54	44	10	11	49	29	19	19	14	10	26	11	11	15	9	12	6	10	11



MAP OF THE
CITY
OF
SOMERVILLE.

1905
**SHOWING
HEALTH DISTRICTS.**

CONTOURS WITH ELEVATIONS ABOVE MEAN LOW WATER.
SCALE
C A M B R I D G E



Contagious Hospital.

By an order adopted by the board of aldermen October 27, 1904, the building owned by the city, and situated on Broadway, at the corner of North street, was transferred to the custody of the board of health for a contagious hospital for the treatment of contagious diseases other than smallpox.

Bacteriological Department.

The work of this department was performed by Frank L. Morse, M. D., whose report is appended to this report:—

Specimens will be received at the laboratory at the city hall daily, including Sunday, at any time, and they will be examined and reported upon the morning following their reception.

SPECIMENS AND ANTI-TOXIN.

Outfits for specimens for tuberculosis and diphtheria, and diphtheria anti-toxin, may be obtained at the laboratory and at the following places:—

Charles H. Crane, 154 Perkins street.

Will B. Fitts, 173 Washington street.

Milton H. Plummer, 25 Union square.

Fred W. Gay, 524 Somerville avenue.

Hart Brothers, 263 Highland avenue.

Percy A. Hall, 2 Studio building, Davis square.

Herbert E. Bowman, 529 Medford street, Magoun square.

Eugene B. Carpenter, 10 Broadway.

Julius E. Richardson, 310 Broadway.

Outfits for typhoid fever and malaria will be supplied from the laboratory only.

After the specimen is collected, it must be taken or sent directly to the laboratory at the city hall.

Districts.

The accompanying map shows the boundaries of the ten health districts into which the city was divided by the board of health of 1878.

A record has been kept from year to year, of the number of deaths, the death rate per thousand, the prevalence of dangerous diseases, and the number of nuisances abated in these several districts, and is continued in the following tables, and in the table near the beginning of this report.

The estimated population in the several districts was originally based on the number of assessed polls in each, and upon the population of the entire city; the ratio of polls to population being presumed to be the same in all the districts. Substantially the same method of estimating the population has been continued, the census of every fifth year being taken as a basis for calculation.

The number of dwellings and of assessed polls May 1, 1904, has been obtained from the assessors' books.

Table of Deaths in Each District During the Last Ten Years.

Districts	I.	II.		III.		IV.		V.		VI.		VII.		VIII.		IX.	X.		Entire City.
		Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.	Number of Deaths.	Rate per 1,000.		Number of Deaths.	Rate per 1,000.	
Area	337 A.	107 A.	93 A.	171 A.	361 A.	285 A.	194 A.	482 A.	174 A.	456 A.	2,660 A.								
In 1904.	8,360	6,429	5,672	6,625	12,373	7,131	7,871	4,035	5,605	5,399	69,500								
	1,050	1,055	894	1,046	2,185	1,258	1,327	663	1,011	968	11,457								
	7.9	6.1	6.3	6.3	5.2	5.7	5.9	6.1	5.6	5.6	6.1								
YEAR.																			
1895	136	19	91	20	184	17	67	16	29	8	40	17	823	16					
1896	155	22	77	17	180	16	82	13	36	9	52	21	924	17					
1897	158	22	80	16	170	15	68	12	40	14	29	8	859	15					
1898	161	23	79	16	194	18	93	14	28	9	50	12	880	15					
1899	102	14	81	16	155	14	87	12	34	11	46	11	801	13					
1900	134	17	87	16	229	20	82	11	41	12	54	12	967	16					
1901	133	17	70	13	178	15	66	9	47	14	58	11	831	13					
1902	140	18	75	14	184	18	71	10	53	15	63	12	890	13					
1903	158	20	76	14	151	12	90	12	64	17	65	12	955	14					
1904	175	21	85	15	165	15	89	11	46	11	52	10	964	14					
Average death rate per 1,000 for ten years	19	14	16	16	16	14	12	13	11	16	15								

Table Showing the Five Principal Causes of Death in Somerville in 1904, with the Number and Rate in Each District.

DISTRICTS.	PNEUMONIA.		HEART DISEASE.		TUBERCULOSIS.		APOPLEXY.		CANCER.	
	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.	Number of Deaths.	Number per 10,000 of Pop.
I.	15	17.9	19	22.7	23	27.5	8	9.6	8	9.6
II.	4	6.2	8	12.4	4	6.2	3	4.7	7	10.9
III.	16	28.2	8	14.0	7	12.4	4	7.1	2	3.6
IV.	9	13.6	13	19.6	12	18.1	2	3.1	1	1.5
V.	25	20.2	15	12.1	9	7.3	19	15.4	15	12.1
VI.	13	18.2	7	98.0	12	16.8	6	8.4	4	5.6
VII.	9	11.5	8	10.1	8	10.1	9	11.5	5	6.3
VIII.	5	12.4	9	22.3	4	9.9	3	7.4	2	4.9
IX.	7	12.5	6	10.7	4	7.1	3	5.4	4	7.1
X.	7	12.9	10	18.5	11	20.4	4	7.4	4	7.4
Total	110	15.9	103	14.9	94	13.5	61	8.8	52	7.5

Table of Scarlet Fever, Diphtheria, and Typhoid Fever in Each District in 1904.

DISTRICTS.	SCARLET FEVER.				DIPHTHERIA.				TYPHOID FEVER.			
	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.	Cases Reported.	Deaths.	Cases per 1,000 of Pop.	Deaths per 1,000 of Pop.
I.	11	..	1.32	....	77	4	9.21	0.48	22	2	2.63	0.24
II.	14	2	2.18	0.31	36	1	5.60	0.11	8	2	1.24	0.31
III.	5	..	0.89	....	42	3	7.41	0.53	13	1	2.29	0.18
IV.	10	..	1.51	....	33	..	4.98	....	4	..	0.61	....
V.	9	..	0.73	....	25	1	2.02	0.08	22	3	1.78	0.25
VI.	15	..	2.11	....	68	1	9.54	0.14	5	..	0.71	....
VII.	17	..	2.16	....	27	3	3.43	0.38	4	1	0.51	0.13
VIII.	8	..	1.98	....	14	..	3.47	....	2	..	0.49	....
IX.	8	..	1.43	....	19	..	3.39	....	5	2	0.89	0.36
X.	22	1	4.08	0.19	30	1	5.56	0.19	11	..	2.04	....
Total	119	3	1.71	0.05	371	14	5.34	0.21	96	11	1.39	0.16

Undertakers.

Under the provisions of section 44 of chapter 78 of the revised laws of 1902, sixteen persons have been duly licensed as undertakers.

Examiners of Plumbers.

The public statutes provide for a board of examiners of plumbers, consisting of the chairman of the board of health, the inspector of buildings, and an expert at plumbing, to be appointed by the board of health. This board appointed Duncan C. Greene, the inspector of plumbing, to fill the place of expert. The number of licenses granted will be found in the report of the inspector of buildings.

Regulations.

The following health regulations have been adopted during the year 1904:—

CITY OF SOMERVILLE.
IN BOARD OF HEALTH, October 6, 1904.

Ordered: That the following regulation be and hereby is adopted:—

SECTION 1. The board of health hereby adjudges that pulmonary tuberculosis is an infectious and contagious disease, dangerous to the public health.

SECT. 2. A householder who knows that a person in his family or house is sick with pulmonary tuberculosis shall forthwith give notice thereof to the board of health. Upon the death, recovery, or removal of such person, the householder shall disinfect to the satisfaction of this board such rooms of his house and articles therein as, in the opinion of the board, have been exposed to the infection.

SECT. 3. Said rooms and articles may be fumigated and disinfected by this board or its agent.

SECT. 4. Upon the death, removal, or recovery of a person sick with pulmonary tuberculosis, no person, except members of the immediate family of which such sick person was a member, and those whose business calls them there, shall thereafter visit or be permitted by the householder or any occupant thereof to visit the dwelling in which such person was sick as aforesaid, until such dwelling shall have been fumigated and disinfected as above provided.

SECT. 5. If a physician knows that a person whom he is called to visit is infected with pulmonary tuberculosis as aforesaid, he shall immediately give notice thereof in writing over his own signature to the board of health.

SECT. 6. Whoever violates the provisions of Sections 2 or 4 shall be punished by a fine of not more than one hundred dollars. Whoever violates the provisions of Section 5 shall forfeit not less than fifty dollars nor more than two hundred dollars for each offense.

(Signed)

WILLIAM P. MITCHELL, Clerk.

Copies of the above regulation were sent to all the physicians of the city. Thirty-eight dwellings have been fumigated since its adoption.

At the time of the adoption of the health regulation regarding tuberculosis, 15,000 of the following circular were ordered to

be printed and distributed at the home of every family in the city:—

BOARD OF HEALTH. }
CITY HALL, SOMERVILLE, MASS., 1904. }

CIRCULAR ON CONSUMPTION.

Consumption (also called phthisis or pulmonary tuberculosis) is an infectious disease; that is, a disease which one person can catch from another person. It is caused by germs which grow in the lungs of consumptives, and the sputum or spit which is coughed up contains large numbers of them. When this spit is allowed to dry, the germs are set free and float about in the air, and if inhaled into the lungs of healthy persons, may start the disease in them.

If the spit is destroyed while moist, there is very little danger of spreading the infection. It is therefore of the utmost importance that consumptives should spit into receptacles made for the purpose, containing a solution of carbolic acid (one part to fifteen parts of water), or into pieces of cloth. Such receptacles should be frequently cleansed with scalding water after destroying their contents, and pieces of cloth should be burned before the sputum becomes dry. Handkerchiefs which have been used from necessity should be boiled half an hour before washing.

The patient's clothing, bed-clothing, etc., should not be mixed with the general family wash, nor sent to the public laundry, but should be boiled half an hour and then washed separately.

Under no circumstances should a consumptive spit upon the floors of rooms, public halls, street or railway cars or other vehicles, or in the street.

A healthy person should not sleep in the room with a consumptive.

The kissing of consumptives is dangerous, especially for children.

Consumption can be prevented and, in many cases, cured.

The patient should occupy an airy and well-lighted room containing as little furniture as possible. This room should be kept clean by wiping the floor and furniture with damp cloths, which should then be destroyed. Sweeping and dusting should be avoided. The patient should have plenty of nourishing food, fresh air, and sunlight.

After the removal of a patient from the room or house, disinfection must be performed by the board of health, or to the satisfaction of its agents, in accordance with a regulation adopted by this board October 6, 1904.

ALLEN F. CARPENTER,
EDMUND S. SPARROW,
WESLEY T. LEE, M. D.,
Board of Health.

CITY OF SOMERVILLE. }
IN BOARD OF HEALTH, November 3, 1904. }

Ordered: That the following regulation be and hereby is adopted:—

Immediately upon the receipt of notice that a teacher or pupil in any school in the city is sick with smallpox, scarlet fever, diphtheria, membranous croup, typhus fever, or cholera, the schoolroom in which such teacher or pupil was accustomed to sit, and the dressing-room in which the aforesaid teacher or pupil placed his or her outer garments, shall be fumigated by the board of health or its agent, or to their or his satisfaction.

All books, papers, and other articles which, in the opinion of the board or its agent, have been directly exposed to the contagion, and which cannot be satisfactorily fumigated, shall be burned.

(Signed)

WILLIAM P. MITCHELL, Clerk.

In compliance with the above regulation, twenty-seven schoolrooms have been fumigated.

Health Department.

CREDIT.	
Appropriation	\$40,000 00
Receipts:—	
Middlesex Paper Co., paper	312 75
Hannibal S. Pond, city offal	1,100 00
Milk fees	131 02
Permit fees	60 00
<hr/>	
Total credit	\$41,603 77
DEBIT.	
Expenditures:—	
Salaries	\$5,200 00
Collecting ashes	17,034 75
Collecting offal	13,882 00
Stable expenses	1,473 75
Wagons, sleds, etc.	638 85
Tools and repairing same	154 19
Harnesses and horse clothing	798 38
Horses and horse doctoring	1,663 98
Horseshoeing	759 11
Hay and grain	4,917 79
Vaccine virus	6 60
Burying dead animals	122 50
Office expenses	34 89
Books, stationery, printing and postage	223 60
Bacteriological laboratory	26 15
Board of agent's horse	274 00
Telephones	106 98
Care of contagious disease cases	782 28
Board of superintendent's horse	123 27
Incidentals	467 91
<hr/>	
Total debit	\$48,690 98
Amount overdrawn	7,087 21

ALLEN F. CARPENTER, Chairman,

EDMUND S. SPARROW,

WESLEY T. LEE, M. D.,

Board of Health.

REPORT OF BACTERIOLOGIST.

Somerville, January 26, 1905.

To the Board of Health of the City of Somerville:—

Gentlemen,—I herewith present the report of the bacteriologist for the year 1904.

During the latter part of December, 1902, in accordance with your vote, a laboratory was established at the city hall and regular bacteriological examinations were commenced upon January 1, 1903, which have been continued during the past year.

During the year 1904 1,429 examinations were made of cultures for the diphtheria organism, 124 examinations made of sputum from patients suspected of having tuberculosis, seventy-six examinations to detect the Widal reaction in typhoid fever, and no examinations for making a diagnosis of malaria in patients showing symptoms of that disease.

With the beginning of 1903, your board established regulations, which required, in cases of diphtheria, that no patient should be released from quarantine until two consecutive negative cultures had been obtained from the patient, one by the attending physician and one by a physician representing the board, thus making the work more extensive than had been previously required. Culture stations were also established at four different parts of the city, which were later increased to six in number, to more generally accommodate the physicians of the city, at which places, in connection with the laboratory, culture outfits and sputum bottles could be obtained. The outfits for typhoid fever and malaria were to be obtained at the laboratory only. To avoid delay in the examination of specimens, it was required that all specimens should be sent to the laboratory at the city hall, thus obviating any delay through the culture stations. Specimens left at the city hall as late as midnight are placed in the incubator immediately, making it possible for a result to be obtained early the next morning.

Diphtheria.—Fourteen hundred and twenty-nine cultures have been examined for diphtheria, 629 being in males, and 800 in females. Diphtheria being a disease of children, 537 of these examinations have been made in children under five years of age, 400 in those from five to ten years of age, 231 from ten to twenty, and 261 in adults over twenty years. In thirty-four cases the age of the patient was not stated. Four hundred and six examinations were made for the diagnosis of the case, 142 proving positive, and 264 negative. Of the positive results, seventy-two were

of cases in which the attending physician's diagnosis of diphtheria was confirmed, eleven in which the clinical diagnosis was not diphtheria, and fifty-nine in which no definite diagnosis was made. Of the 264 negative examinations, thirty-seven were obtained in which the clinical diagnosis was diphtheria, ninety-six in which the diagnosis was not diphtheria, and 131 in which no diagnosis had been made.

Nine hundred and ninety-four cultures were taken for release of patients from quarantine, 233 of which were positive, and 761 negative. The importance of taking release cultures is demonstrated by these figures, these patients showing the presence of the bacilli in the throat after the clinical evidence of the disease had disappeared. In twenty-nine examinations there was no growth upon the serum tube.

Tuberculosis.—One hundred and twenty-four examinations have been made of sputum suspected of containing the tubercle bacillus, twenty-eight of which were positive and ninety-six negative. In forty-three cases, a definite diagnosis of this disease had been made by the attending physician, but in twenty-nine of them the organism could not be detected. In the remainder of the cases, fifty-four were stated as not showing evidence of the disease, eleven being positive, and in twenty-seven cases no statements were made giving information as to its character, three of which were positive. Fifty-four were males and seventy females. Although printed directions accompany each outfit, telling how the specimen should be obtained, it has not been unusual for specimens to be sent to the laboratory containing only saliva from the mouth, with no excretion from the lungs or bronchial tubes. Physicians should be urged to give definite instructions to each patient, relating to the collection of the sputum, for in some instances a negative report would mislead both physician and patient. Consumption, to-day, is recognized as an infectious disease, and all persons afflicted with it should be instructed in the modern methods for preventing its spread. In some cases this is not done by the attending physician, and during the past year your board has required that this disease be reported to you, as other infectious diseases are, and that printed instructions and advice be sent to each patient ill with the disease. The decrease in the death rate of consumption, and the cure of persons afflicted with it, is due to the improved and intelligent manner with which cases are treated, and the prevention of further spread of the disease is a subject which is of importance to all local boards of health.

Typhoid Fever.—Seventy-six examinations of the blood of patients suspected of having typhoid fever have been made, thirty-two of which proved positive. In eighteen cases a positive diagnosis of this disease had been made by the attending physician; and in the remainder, no statement was made relating to the diagnosis. Of the negative results, four were diagnosed as typhoid, six were said not to be typhoid, and in thirty-four no

diagnosis was made. Fifty-three were males and twenty-three females.

Malaria.—No examinations were made of the blood of patients suspected of having this disease, and the disease cannot be considered as one of prominence in this city.

Summary for Two Years, 1903, 1904.

Diphtheria Cultures.

	No. examined.	Males	Females	0-5	5-10	10-20	Over 20	Age not stated	No. growth
1903	817	387	430	282	199	125	185	26	5
1904	1,429	629	800	537	400	231	261	34	29
	For Diagnosis	Clinical Diagnosis		Diph.	Clin. Diag.	not Diph.	Clin. Diag.	not stated	
		Positive Negative		Positive	Positive	Negative	Positive	Negative	
1903	360	56 35		11	122	27	109		
1904	406	72 37		11	96	59	131		
		For Release							
		Positive Negative							
1903.....	95	362							
1904.....	233	761							

Sputum for Tuberculosis.

	No. Examined	Males	Females	Positive	Negative	Clin. Diag. Tuberculosis	Positive	Negative
1903	137	66	71	26	111	15	21	
1904	124	54	70	28	96	14	29	
		Clinical Diagnosis not Tuberculosis		Positive	Negative	Clinical Diagnosis not stated	Positive	Negative
1903		9		61	2	29		
1904		11		43	3	24		

Blood for Typhoid Fever.

	No. Examined	Males	Females	Positive	Negative	Clin. Diag. Typhoid Fever	Positive	Negative
1903	72	39	33	27	45	18	7	
1904	76	53	23	32	44	18	4	
		Clinical Diagnosis not Typhoid Fever		Positive	Negative	Clinical Diagnosis not stated	Positive	Negative
1903		2		6	7	32		
1904		0		6	14	34		

Respectfully submitted,

FRANK L. MORSE,

Bacteriologist.

REPORT OF INSPECTOR OF ANIMALS AND PROVISIONS.

Somerville, January 1, 1905.

To the Honorable, the Mayor, and the Board of Aldermen:—

Gentlemen,—I submit the following report as inspector of animals and provisions for the year ending December 31, 1904.

The following is a statement of the work performed during the year: At the five slaughtering establishments in the city, the number of animals slaughtered was as follows: John P. Squire Corporation, Medford street, 591,332 swine; North Packing and Provision Company, Medford street, 691,004 swine; New England Dressed Meat and Wool Company, 19,572 cattle, 67,616 calves, 374,938 sheep; Sturtevant & Haley, Somerville avenue, 10,204 cattle; Rachel Gunsenhiser, North street, 603 cattle, 196 calves, and 170 sheep. Total number of animals slaughtered during the year 1904, 1,755,635.

I have inspected, condemned, and caused to be destroyed 502 pounds fowl, 671 pounds pollock, 53 pounds swordfish, 5 boxes smelts, 1,067 mackerel, 1,943 herring, 1,644 pounds cod and haddock, 480 pounds dried fish, 236 pounds halibut, 192 pounds fresh salmon, 129 pounds shad, 53 lobsters, 3 bushels clams, 1 gallon clams, 3 gallons oysters, 440 pounds squash, 29 bushels potatoes, 8 bushels sweet potatoes, 19 bushels greens, 17 bushels vegetables, 42 barrels apples, 4 boxes lemons, 7 boxes oranges, 57 dozen bananas, 675 pounds grapes, 8 bushels pears, 11 crates tomatoes, 192 quarts strawberries, 4,600 pounds fresh beef, 216 pounds corned beef, 39 calves, 192 pounds veal, 14 livers, 192 pounds fresh pork, 175 pounds mutton.

There are 133 cows, 161 swine, 6 goats, and 2 lambs kept in the city for domestic purposes.

I have examined 1,551 horses in stables where contagious disease was reported to exist. Fifty-seven horses were killed on account of contagious disease, and 6 were released.

I have made 832 visits to stores and markets, inspected 812 pedler carts from which fish and provisions are sold. I have also made monthly inspections of stores and bakeries throughout the city, and find them in a much improved condition.

As agent of the society for the prevention of cruelty to animals, I have investigated 186 complaints. Number of animals killed, 59. Number of animals taken from work, 47. Cattle not properly cared for, 25.

Respected submitted,

CHARLES M. BERRY,

Inspector of Animals and Provisions.

REPORT OF INSPECTOR OF MILK AND VINEGAR.

OFFICE OF INSPECTOR OF MILK AND VINEGAR, }
310 Broadway, Somerville, Mass., January 2, 1905. }

To the Board of Health:—

Gentlemen,—I herewith submit my annual report for the year ending December 31, 1904.

I have collected and analyzed 955 samples of milk, five samples of cream, and eighteen samples of vinegar. In addition to this, I have examined a few samples of suspected butter, and inspected butter teams as I found them on the street.

One hundred and six notices were sent that milk was below the standard.

The following cases were prosecuted in court:—

1 man, selling milk without a license; found not guilty.	
1 storekeeper, milk below the standard; fined . . .	\$20 00
1 storekeeper, selling milk without registering; fined . . .	1 00
1 storekeeper, selling milk without registering; fined . . .	5 00
1 milk pedler, selling milk without a license; fined . . .	30 00
1 milk pedler, selling milk without a license; ruled a corporation and found not guilty.	
1 storekeeper, selling milk below the standard; placed on file.	
1 storekeeper, selling milk below the standard; fined . . .	10 00
1 storekeeper, selling milk below the standard; fined . . .	5 00
1 storekeeper, selling milk below the standard; fined . . .	5 00
1 storekeeper, selling milk below the standard; fined . . .	5 00
1 storekeeper, selling milk below the standard; fined . . .	8 00
1 storekeeper, selling milk below the standard; fined . . .	10 00
1 storekeeper, selling milk below the standard; fined . . .	15 00
1 storekeeper, selling milk below the standard; fined . . .	15 00
1 storekeeper, selling milk below the standard; fined . . .	5 00
1 storekeeper, selling milk below the standard; fined . . .	15 00
1 milk pedler, selling milk below the standard; fined . . .	10 00
1 milk pedler, selling milk below the standard (superior court); fined . . .	15 00
1 storekeeper, selling milk below the standard, second offense (superior court); fined . . .	100 00
1 storekeeper, selling milk without registering; found not guilty and placed on file.	
1 storekeeper, selling milk without registering; found not guilty and placed on file.	

Total amount of fines imposed by the courts . . .	\$274 00
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I spent twenty-three days in the police court and five days in the superior court.

I issued 146 licenses to milk pedlers and 114 to stores, a total of 260.

I have paid to the city treasurer \$130 for license fees, and \$1.02 for stamps.

The inhabitants have consumed about 21,600 quarts of milk a day for the year, and 400 quarts of heavy cream. The milk pedlers deliver daily about 5,400 gallons. About 3,000 cans are delivered from the cars, and 750 cans are brought in teams from near farms. About 125 gallons of heavy cream are delivered daily.

To have any citizen who may think his milk is not up to the standard, and desiring to submit a sample for analysis, I would ask that he be sure and mix the milk well before taking the sample.

I shall be pleased to give to any physicians desiring to know the quality of the milk that their baby patients are being fed analyses of any samples submitted, either of mothers' or cows' milk.

My office is open all day, every day in the year, where complaints may be made and licenses procured.

Respectfully submitted,

JULIUS E. RICHARDSON,

Inspector of Milk and Vinegar.

SUPPORT OF POOR DEPARTMENT.

Board of Overseers of the Poor.

EDWARD B. WEST, President.

ALBERT W. EDMANDS, Vice-president.

HERBERT E. MERRILL.

Committees.

ON FINANCE, INVESTIGATION AND RELIEF, AND CITY HOME. — Mr. West,
Mr. Edmands, and Mr. Merrill.

Secretary.

CORA F. LEWIS.

General Agent.

CHARLES C. FOLSOM.

City Physician.

ALVAH B. DEARBORN, M. D.

Warden of "City Home."

J. FOSTER COLQUHOUN.

Matron of "City Home."

MRS. CATHERINE COLQUHOUN.

Office.

City Hall Annex, Highland Avenue.

REPORT OF OVERSEERS OF THE POOR.

OFFICE OF THE OVERSEERS OF THE POOR, }
Somerville, Mass., December 31, 1904. }

To the Honorable, the Mayor, and Board of Aldermen of the
City of Somerville:—

Gentlemen,—We beg leave to submit as follows our report
for the year 1904.

The work of this year shows a material increase over that of last. The same care has been exercised by the department in investigating and relieving all needy and deserving cases; the liberal allowance from the city has been carefully husbanded, and, so far as we know, few, if any, cases of real suffering or want have not found immediate relief.

Our city is not paying for the support of any insane persons at present, only as we are called to do so in our enlarged state taxes. We think that the feeble-minded, dipsomaniacs, and epileptics should be cared and paid for by the state, the same as the insane are at the present time. The state owns the buildings, and has the supervision of these three classes, and we do not see why a distinction should be made in the expense of support. The first of January, 1904, we asked for an appropriation of \$17,000. If this amount had been given us, it would have been ample for all our wants, and we should have a balance left.

The board tenders most hearty thanks to his honor, the mayor, and board of aldermen for the very convenient and much-needed addition now being made to the city home, comprising, on the ground floor, the smoke room (outside, but joined to the main building); a reading room; a strong room (for police cases); and a large basement, with concrete floor, for laundry and general purposes. Above this, and running seventy feet out from the main building, is the floor, divided in the middle by a four-foot aisle, and containing bathroom, a linen room, rooms for the male help, and special rooms for sickness or emergency. Over this is the dormitory, divided into two parts. This is also fitted with closets, and furnishes ample and most excellent accommodations for our male inmates. For comfort in summer, as well as winter, for excellent ventilation and light, for open and most cheerful outlook, we feel that the city has secured most satisfactory and lasting returns for the comparatively small amount which has been expended.

We cannot speak too highly of our agent, who now for twenty years has most ably and faithfully executed the work of this department. His large experience, excellent judgment, and thorough knowledge of the laws relative to this department make his work specially valuable and necessary to this city. We commend, also, as always, the faithful secretary of our board, whose work is neatly and thoroughly done and fully appreciated.

To the warden and matron of the home we would give full credit for the faithful and conscientious work of the year. We recognize that for the warden the long hours and necessary application have made the satisfactory results of our farming especially trying. We appreciate his efforts, as we do the earnest work and kindly acts of the matron inside the home.

Following are the tables showing the work in detail:—

TABLE NO. 1.

Full Support (during the year).

In our city home (men 16, women 12)	28
In our city home (men 12, women 7), December 31, 1904 .	19
In private families	2
In Somerville hospital	208
In hospitals in other towns and cities for the sick . .	46
In Massachusetts school for feeble-minded	5
In hospital for dipsomaniacs	8
In hospital for epileptics	5

We paid from 1904 appropriation for 103 insane persons supported in the last quarter in 1903 (we were reimbursed for 8).

TABLE NO. 2.

Partial Support (Outdoor Relief).

Families	271
Persons aided	1,180
Burials	19
Permits to Tewksbury almshouse	4

TABLE NO. 3.

Reimbursements.

Commonwealth of Massachusetts	\$1,285 64
City of Boston	827 31
“ “ Cambridge	717 17
“ “ Chelsea	85 00
“ “ Everett	122 17
“ “ Fall River	228 15
“ “ Gloucester	66 03
“ “ Haverhill	11 00
“ “ Lowell	38 05
“ “ Lynn	11 00
“ “ Malden	28 45
“ “ Marlboro	6 00
“ “ Medford	37 00
“ “ Newton	108 00
“ “ Salem	10 25
“ “ Springfield	21 25
“ “ Worcester	39 30
“ “ Woburn	72 00
Town of Belmont	10 00
“ “ Canton	140 50
“ “ Framingham	19 40
“ “ Harwich	2 00
“ “ Wakefield	10 00
“ “ Winchester	3 20
Guardians, relatives, and individuals	475 75
	<hr/>
	\$4,374 62

OVERSEERS OF THE POOR OF SOMERVILLE.

Since the Reorganization in 1885.

Hon. Mark F. Burns, chairman ex-officio	1885	1888 inclusive
Colonel Herbert E. Hill	1885	1889 “
Charles S. Lincoln, Esq., chairman	1885	1887 “
Hon. Edward Glines	1885	1887 “
Charles G. Brett, president	1885 April	1893 “
Edward B. West, president	1888 to	date* “
Daniel C. Stillson	1888 April	1892 “
Hon. Charles G. Pope, chairman ex-officio	1889	1891 “
Nathan H. Reed, president	1890 April	1894 “
Hon. Wm. H. Hodgkins, chairman ex-officio,	1892	1895 “
James G. Hinckley	May 1892	1894 “
Albert W. Edmands, now vice-president	May 1893 to	date* “
Herbert E. Merrill	May 1894 to	date* “
Ezra D. Souther	1895 Feb.	1898 (Died)
Hon. Albion A. Perry, chairman ex-officio	1896	1898 inclusive
James H. Butler	March 1898	1899 “
Hon. George O. Proctor, chairman ex-officio,	1899	

*Present member.

TABLE NO. 4.

Somerville Hospital (Patients on City Beds).

Patients having settlement in Somerville	80
Patients having settlement in other cities or towns	40
Patients having no settlement (chargeable to state)	88
Total number of patients sent to hospital	208
Money paid hospital by the city for patients settled in Somerville	\$5,000 00
Amount reimbursed to the city and paid to the hospital for patients not settled in Somerville	1,290 00
Total paid to the hospital	<u>\$6,290 00</u>

TABLE NO. 5.

Population and Gross Expenditures, 1883 to 1903, Inclusive.

Year.	Population (Estimated).	Expenditures.
1883	27,000	\$15,959 80
1884	28,000	17,272 52
1885	*29,992	16,430 32
1886	32,000	14,341 83
1887	34,000	13,430 89
1888	36,000	13,375 98
1889	39,000	14,610 92
1890	*40,117	15,261 14
1891	43,000	15,980 49
1892	46,000	17,015 30
1893	48,000	17,799 58
1894	50,000	19,733 13
1895	*52,200	20,755 46
1896	54,000	21,999 79
1897	56,000	25,681 47
1898	57,500	28,522 21
1899	60,000	28,924 39
1900	*61,643 {	Miscellaneous, \$23,697.62 } City home, 5,528.83 } 29,226 45
1901	62,500 {	Miscellaneous, \$29,171.15 } City home, 6,622.43 } 35,793 58
1902	63,500 {	Miscellaneous, \$28,667.04 } City home, 7,396.64 } 36,063 68
1903	65,500 {	Miscellaneous, \$30,470.20 } City home, 7,548.39 } 38,018.59
1904	69,500 {	Miscellaneous, \$20,476.54 } City home, 6,563.11 } 27,039.65

*Census.

SUPPORT OF POOR DEPARTMENT.

TABLE NO. 6.
Expenditures, in Detail, for the Year 1904.

1904.	Dry Goods.	Board.	Groceries.	Towns and Cities.	Boots and Shoes.	Medicine.	Burials.	Salaries.	Fuel.	Sundries.	Public Institutions.	Somerville Hospital.	Total.
January .	. . .	\$80 72	\$849 89	\$361 55	\$9 80	\$19 65	\$85 00	\$316 66	\$299 85	36 30	\$4,027 35	. . .	\$6,086 77
February .	\$8 00	88 00	301 59	6 00	6 00	. . .	. . .	316 66	143 23	53 19	257 21	\$266 66	1,446 54
March .	. . .	38 01	512 42	39 76	18 80	. . .	. . .	391 66	176 35	41 34	391 63	133 33	1,743 30
April .	2 50	81 01	392 95	314 00	. . .	. . .	40 00	341 66	9 45	38 82	181 48	133 33	1,585 20
May .	. . .	38 01	296 20	21 75	10 25	. . .	27 00	341 66	. . .	20 68	34 05	133 33	924 54
June .	. . .	37 86	400 29	10 40	. . .	1 61	20 00	341 66	. . .	39 17	337 99	133 33	1,336 11
July .	. . .	77 29	376 01	566 13	3 75	15 41	. . .	341 66	. . .	18 42	382 58	133 33	1,001 47
August .	. . .	50 11	444 61	. . .	. . .	2 30	10 00	341 66	. . .	46 11	. . .	133 33	1,032 52
September .	. . .	45 57	316 69	213 00	10 00	6 70	40 00	341 66	36 88	37 67	173 16	133 33	1,347 96
October .	4 60	45 43	418 20	260 43	10 00	. . .	15 00	341 66	. . .	34 54	306 50	. . .	1,441 86
November .	. . .	65 58	451 95	. . .	. . .	5 50	. . .	341 66	20 75	46 88	113 96	. . .	1,057 23
December .	. . .	29 15	12 50	. . .	. . .	16 45	10 00	341 74	115 60	24 02	. . .	90 03	623 04
Totals .	\$15 10	\$676 74	\$4,773 30	\$1,793 02	\$68 60	\$67 62	\$247 00	\$4,100 00	\$802 11	\$437 14	\$6,205 91	\$1,290 00	\$20,476 54

TABLE NO. 7.

Recapitulation (Miscellaneous).

Appropriation	\$14,000 00	
Reimbursements	4,374 62	
<hr/>		
Total receipts		\$18,374 62
Total expenditures		20,476 54
<hr/>		
Account overdrawn		\$2,101 92
Net expenditures		16,101 92

City Home.

TABLE NO. 1.

Permanent Repairs and Fixtures.

Bedding platform	\$23 70	
House furnishings	28 25	
Hot-bed fence	28 27	
Cell in basement	11 57	
Closet in attic	20 41	
Painting iron fence	50 00	
Tide gate and digging ditch	24 68	
Hot house	125 00	
Carpenter, painting and mason work on hot house	126 97	
Pigeon loft	77 88	
New tools	48 53	
Grading	49 50	
Laying water pipe for hot house	22 26	
<hr/>		
	\$637 02	
Living expenses	5,926 09	
<hr/>		
Total expenditures		\$6,563 11

TABLE NO. 2.

Reimbursements.

Commonwealth of Massachusetts (board)	\$25 00	
Board of sundry persons	263 00	
Produce and pork sold	3,317 36	
Wood (for poor families)	144 38	
<hr/>		
	\$3,749 74	

TABLE NO. 3.

Number weeks' board of inmates	1,015 3-7
Average weekly cost of inmates	\$2 15
Number of males admitted during 1904 . .	8
Number of females admitted during 1904 . .	5
Number of males discharged during 1904 . .	7
Number of females discharged during 1904 . .	5
Number of males supported during 1904 . .	20
Number of females supported during 1904 . .	13
Number of males died during 1904	1
Number of females died during 1904	1
Number of inmates in Home January 1, 1905,	19

TABLE NO. 4.

Living Expenses.

Groceries and provisions	\$1,633 26	
Salaries and wages	2,541 23	
Dry goods	129 30	
Boots and shoes	36 05	
Grain and hay	537 65	
Seeds and fertilizer	120 08	
New curtains	14 95	
Kitchen furnishings	17 67	
Sundries	309 25	
Cash paid by warden, car fares for warden, inmates and laborers	47 30	
Medicine	24 03	
Horseshoeing	52 15	
Repairs on wagon	94 49	
Repairs on sash	13 84	
Telephone	51 93	
Ice	14 40	
General repairs	30 89	
Swill and bedding	242 66	
New tools	14 96	
		\$5,926 09
Credits:—		
Commonwealth of Massachusetts (board) . .	\$25 00	
Board for sundry persons	263 00	
Produce and pork sold	3,317 36	
Wood for poor families	144 38	
		3,749 74
Net living expenses		\$2,176 35

TABLE NO. 5.

Reimbursements:—		
Produce, pork, and wood sold	\$3,461 74	
Produce used at city home	405 00	
		\$3,866 74

Extra Expenses on Farm.

Wages for extra help	\$1,269 15	
Feed for one horse	138 86	
Seeds and fertilizer	120 08	
Shoeing one horse	15 38	
Repairs on wagons	94 49	
Repairs on sash	13 84	
Swill and bedding	233 06	
Farm sundries	111 83	
		1,996 69
Balance		\$1,870 05

TABLE NO. 6.**Recapitulation.**

Appropriation	\$4,000 00
Reimbursements	3,749 74
Total receipts	\$7,749 74
Total expenditures	6,563 11
Balance	\$1,186 63

This report, with tables, is respectfully submitted.

EDWARD B. WEST,	{	<i>Overseers of the Poor.</i>
ALBERT W. EDMANDS,		
HERBERT E. MERRILL,		

REPORT OF THE CITY PHYSICIAN.

OFFICE OF CITY PHYSICIAN, }
Somerville, December 31, 1904. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is a summary of the work I have performed during the year ending December 31, 1904:—

One thousand thirty-eight house visits have been made. Six hundred thirty-seven persons were treated at my office. Eighty-five persons were vaccinated. Twenty women were attended in child-birth. Ninety-nine persons have had teeth extracted. Twenty-seven visits have been made at the police station.

Under the rules of the board of health, 395 cultures for release have been taken in cases of diphtheria. Twenty-nine men were examined for the police force, and eight for permanent men in the fire department.

Respectfully submitted,

ALVAH B. DEARBORN,
City Physician.

REPORT OF THE CITY ENGINEER.

OFFICE OF THE CITY ENGINEER, }
CITY HALL, SOMERVILLE, January 18, 1905. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—In accordance with the provisions of the city charter, the following report of the work done and expense incurred for the year ending December 31, 1904, by the departments under my charge and supervision, including Engineering, Sewers Construction, Sewers Maintenance, Public Grounds, and other public works, is herewith presented.

ENGINEERING DEPARTMENT.

Statement of Expenses, 1904.

Salary City Engineer (including maintenance of team)	\$2,800 00	
Salaries of assistants	7,818 33	
Stakes, tools, and general supplies (outside work)	77 14	
Draughting materials and office supplies (inside work)	140 18	
Setting stone bounds for defining street lines	35 88	
Car fares	188 40	
Telephone, postage, and incidentals	150 72	
Boston & Maine Railroad, engineering services, subway	190 53	
Total expenditure in the department	\$11,401 18	
Transferred to other departments	602 82	
Total debit		\$12,004 00
CREDIT.		
Appropriation	\$11,900 00	
Amount received from making acceptance plans	104 00	
Total		\$12,004 00



NATHAN TUFTS PARK, SOMERVILLE, MASS.
Old Mill, Provincial and Revolutionary Powder House.

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ENG. DEPT.

Classification of Expenditures, Assistants' Salaries.

Sewers,—comprising surveys, estimates, profiles, lines, grades, titles, plans, assessments, and all engineering work relating to sewers	\$2,068 71
Highways,—comprising plans, estimates, titles, profiles, lines and grades, and all other engineering relating to the department	785 90
Sidewalks,—comprising profiles, lines, grades, measurements, titles, costs, and assessments	1,011 96
Water Works,—comprising lines, grades, locations of mains, gates, hydrants and services, and other matters relating to water department	266 34
Public Grounds,—comprising surveys, plans, estimates, profiles and grades, including laying out of parks and grounds	360 78
Public Buildings,—comprising surveys, estimates, lines and grades, and other work relating to construction	84 99
Street Numbering,—comprising locations of buildings, plans and affixing street numbers on houses	332 58
Street Lines and Grades,—comprising establishing of lines, grades, and miscellaneous data given parties for building and grading	211 18
Middlesex Registry,—comprising copying of plans and abstracts from deeds and examination of titles filed at East Cambridge, also tracings of street acceptance and sewer taking plans filed for record	334 07
Railway, Telephone, Electric Light, and Gas Light Companies,—comprising grades, plans, profiles and office notes, locations of poles and conduits	95 22
Stone Bounds,—locating and setting	77 78
Office Work,—comprising records of all locations, indexing, typewriting, calculations, and general draughting,	875 05
Miscellaneous Work,—comprising preliminary surveys, designs, sketches, etc., relating to various schemes for different committees	116 12
Vacations and Sickness	292 24
Total	<hr/> \$7,818 33

Office Records and Value of Instruments.

Number of survey note books, sewer permit books, and deed books	250
Number of plans, including sewers, highways, parks, house lots, etc.	6,000
Value of field instruments, tools, and office instruments	\$1,600.00

The total cost of maintaining the city engineer's department since it was established (1872-1904, both years, inclusive) has amounted to \$214,421.68.

General Work. The number of assistants employed during the year on engineering work varied from eight to twelve.

The department has made designs, plans, estimates of cost of contemplated and completed public works, etc., as required by various orders of the board of aldermen and committees. All

survey notes, records, and plans made of sewers, drains, highway work, water works, etc., have been filed and indexed for future reference.

All plans of estates in Somerville recorded at the Registry of Deeds, East Cambridge, have been copied, titles examined, and abstracts from deeds made for the purpose of assessments, and the proportional part of the cost of new work computed, and schedules of assessments made out showing the property owners.

Plans have been made and photographs taken where accidents have occurred on the city's work, or where boundaries were in dispute, for the use of the city solicitor in court cases and hearings.

A number of street names have been changed and plans made showing a re-numbering of the buildings, and all old numbering plans revised, new houses plotted, and numbers assigned; some of the old main thoroughfares should be re-numbered throughout their entire length, so as to eliminate half numbers and letters now being used.

There are many streets, avenues, courts, and places in the city of the same or very similar name, which should be changed to prevent the confusion and inconvenience now existing.

Stone monuments have been set at a number of street intersections and angles to define and preserve the true lines of public streets, and this work should be continued as much as possible each year.

Lines and grades have been given for the erection of new city buildings, and plans and sketches made for the laying out of the surrounding grounds.

About seventy-five street lines and grades have been given by the department during the year for builders and private parties applying for established grades and lines in connection with the erection of buildings and fences and grading of property.

Plans have been made showing the change of boundary lines of precincts in certain wards of the city, from which large maps have been printed for various purposes.

Accurate plans have been made by The Edison Electric Illuminating Company, of Boston, the New England Telephone and Telegraph Company, West End Street Railway Company, Charlestown Gas and Electric Company, and Cambridge Gas Light Company, and filed in this office, showing the various locations of poles, tracks, and conduits in this city which have been granted by the board of aldermen during the year.

Lines and grades have been given for laying 5,800 feet of water mains; 294 house services, twenty-five gates, and thirteen

hydrants have been located and recorded, sketches and plans made showing the same, and the large water works maps corrected to date.

During the year the department has made plans and established grades for the acceptance, under the betterment act, of fifteen new public streets, a total length of 1.55 miles; copies of these plans have been made and filed at the Middlesex Registry, as required by law.

The line of Hall street, at the Cedar-street end, has been changed and re-located northeasterly about one foot from the old line, so that a building formerly encroaching on the southwesterly side of the old street is now back of the adopted street line, an exchange of land being made with the abutting owner.

The total length of public streets in the city amounts to 69.3 miles, and private streets 24.26 miles.

Eight streets have been constructed during the year where betterment assessments have been levied, and in the laying out and constructing of Clarendon avenue as a public highway, the city is removing, by agreement, the stone from the ledge on the abutting property on the southeasterly side of the street, where the surface in places was twenty feet higher than the established grade of Clarendon avenue.

When this work is fully completed, a dangerous locality will have been made safe for public travel, and a section of land developed for building purposes.

Lines and grades have been given for setting 24,228.4 linear feet (4.59 miles) of new edgestone, and the re-setting of 11,861.6 feet (2.25 miles) of old edgestone and measurements taken for computing assessments.

4,185.3 square yards of new brick sidewalks and 1,002.9 square yards of granolithic sidewalks have been laid (about 1.54 miles in length), and 7,464.1 square yards of old brick sidewalks re-laid.

The average cost for the year of setting edgestone has been ninety cents per linear foot, and laying brick sidewalks ninety-six cents per square yard.

8,010 square yards of new paved gutters have been laid, and 706.7 square yards of new vitrified brick, concrete, and granite crossings and driveways constructed; 3,678.4 square yards of old gutters, driveways, and crossings have been re-laid, all requiring lines, grades, and measurements.

(See tables in this report for cost of new work, 1904, and total lengths of sidewalks constructed in the city to date.)

Streets Accepted as Public Highways in 1904 under the Betterment Act.

NAME OF STREET.	WARD.	FROM	TO	Width in Feet.	Length in Feet.	Date of Acceptance.
Edmands st. . .	4	Angle	Bonair st. . . .	40	86	Sept. 23
Farragut ave. . .	7	Broadway . . .	Woodstock st. Ex.	40	905	Nov. 1
Glendale ave. . .	7	Cameron ave. .	Yorktown st. . .	40	410	July 1
Hawthorne st. . .	7	Willow ave. . .	Cutter ave. . . .	30	807	Dec. 23
Holyoke rd. . . .	6	Elm st.	Elm st.	40	637	July 15
Josephine ave. .	6	Morrison ave. .	Broadway	45	1,718	Nov. 1
Malvern ave. . .	7	Cameron ave. .	Yorktown st. . .	40	410	Dec. 23
Milton st.	7	Orchard st. . .	Cambridge line .	40	223	June 13
Moreland st. . .	5	Main st.	Meacham st. . . .	40	691	Nov. 28
Ossipee rd. . . .	7	Packard ave. . .	Curtis st.	40	682	Nov. 14
Pritchard ave. . .	6	Morrison ave. .	Frederick ave. . .	40	511	Nov. 1
Richardson st. .	5	Lowell st. . . .	Lawrence st. . . .	35	467	Dec. 23
Seven Pines ave.	7	Cameron ave. .	Cambridge line .	40	52	Dec. 27
Veazie st.	4	Bradley st. . . .	Marshall st. . . .	40	261	Dec. 28
Yorktown st. . .	7	Cambridge line .	Malvern ave. . .	40	294	Dec. 23
Total . . . . .	. . . .	. . . . .	(1.552 miles)	..	8,194	

Length of Public Streets in Each Ward.

	Miles.
Ward one	9.155
Ward two	7.615
Ward three	7.086
Ward four	8.951
Ward five	10.386
Ward six	11.386
Ward seven	14.715

Total length of public streets in the city . 69.294

Miles of Edgestone, Brick Sidewalk and Gravel Sidewalk, in Each Ward.

	Edge- stone	Brick Sidewalk	Gravel Sidewalk
Ward one	16.478	11.687	4.791
Ward two	11.896	4.207	7.689
Ward three	12.784	11.496	1.288
Ward four	12.499	8.725	3.774
Ward five	15.679	9.794	5.885
Ward six	19.408	10.226	9.182
Ward seven	16.399	7.731	8.668
Total miles in the city	105.143	*63.866	41.277

*Includes 2.07 miles granolithic and tar concrete walk.

Table Showing Sidewalks Constructed (not exceeding one-half cost assessed on abutters) and Paved Gutters Laid in Connection Therewith in 1904.

STREET.	WARD.	SIDE.	FROM	To	WIDTH OF SIDEWALK IN FEET.	MATERIALS.		TOTAL COST.	PAVED GUTTERS.		
						Gravel and Edgestone. Lineal Feet.	Bricks. Sq. Yards.		Sq. Yards.	Cost.	
Avon	3	Southwesterly	School st.	Central st.	6.67	.....	950.6	\$914 74	.....	.....
Bartlett	5	Both	Medford st.	Broadway	6.67	1,449.4	.....	1,287 97	563.6	\$918 18
Beacon	6	Northeasterly	Ivaloo st.	Near Kent st.	11.00	387.4	.....	346 71	129.1	240 26
Bowdoin	2	Both	Fremont ave.	Lincoln Park	6.67	201.6	.....	176 38	67.2	91 50
Broadway	1	Northerly	Boston line	Cross st.	15.00	2,120.8	.....	2,308 93	706.9	1,813 39
Broadway	5	Southerly	Glenwood road. . . .	Norwood avenue. . . .	7.31±	.....	219.1	221 67	.....	.....
Cameron avenue	7	Northwesterly	Holland st.	Seven-pines ave. . . .	10.00	1,010.8	.....	861 21	336.9	514 15
Cedar	6	Westerly	Hall st.	Near Summer st. . . .	6.67	108.7	.....	104 47	36.2	106 11
Charles	1	Both	Washington st.	Southeasterly	5.00	307.5	.....	237 66	85.4	82 88
Chester avenue	4	Both	Medford st.	Angle	4.00 and 4.50	437.5	.....	386 56	99.0	264 90
Chester	7	Northwesterly	Herbert st.	Northeasterly	6.67	72.6	60.1	102 28	24.2	79 15	
Dane	2	Southeasterly	Washington st.	Somerville ave.	6.67	1,217.9	.....	1,115 27	405.9	793 81
Eastman road	6	Both	Highland ave.	Southwesterly to end.	6.67	589.9	.....	532 65	229.4	420 75
Elmwood	7	Both	Holland st.	Cambridge line	6.67	2,040.2	.....	1,617 87	680.1	1,248 80
Glendale avenue	7	Both	Cameron ave.	Yorktown st.	6.67	850.1	.....	625 44	283.4	460 30
Hall	6	Southwesterly	Cedar st.	Cherry st.	5.00	232.3	.....	240 56	64.5	193 30
Hancock	6	Southeasterly	Highland ave.	Lexington ave.	8.33	.....	304.6	298 55	.....	.....
Hancock	6	Northwesterly	Highland ave.	Lexington ave.	8.33	382.3	.....	326 90	127.4	208 83
Herbert	7	Easterly	Chester st.	Day st.	6.67	319.0	.....	256 77	106.3	189 45
Holyoke road	6	Both	Elm st.	Elm st.	6.67	1,374.0	.....	1,135 93	458.0	811 28
Josephine avenue	6	Both	Morrison ave.	Broadway	7.50	3,269.1	.....	2,947 72	1,089.7	1,898 50
Knowlton	1	Both	Tufts st.	Northerly	6.67	813.2	.....	681 05	278.9	469 98
Lowell	6	Northwesterly	Highland ave.	Crown st.	6.67	.....	401.5	356 03	.....	.....
Lowell	5	Southeasterly	Bingham School . . . .	.....	6.67	.....	102.3	96 88	.....	.....
Milton	7	Both	Orchard st.	Cambridge line	6.67	.....	290.3	242 83	.....	.....
Morrison avenue	7	Northeasterly	Martha Perry Lowe School	.....	6.67	.....	77.7	76 90	.....	.....
Morton	1	Both	Glen st.	Knowlton st.	6.67	.....	338.6	319 01	.....	.....
Poplar	1	Both	Somerville ave.	Joy st.	5.00 and 5.83	629.3	.....	566 95	140.3	354 25
Richdale avenue	5	Northeasterly	School st.	Sycamore st.	6.67	719.2	.....	655 71	239.7	440 98
St. James avenue	7	Northwesterly	Elm st.	Summer st.	6.67	.....	333.4	307 55	.....	.....
Sycamore	5	Both	{ Pembroke st.	Willoughby st.	5.83 and 6.67 }	607.9	.....	530 47	202.6	374 41
			{ Richdale ave.	Montrose st.	5.83 and 6.67 }	.....	.....	.....	.....	.....
Washington	1	Southwesterly	Boston line	B. and L. R. R.	11.50	1,666.6	.....	1,652 34	555.5	1,577 00
Washington	2	Both	Union Square	Cambridge line	10.00+	2,775.1	.....	2,590 32	925.0	1,756 84
Wigglesworth	4	Both	Pearl st.	Bonair st.	6.67	.....	929.6	968 29	.....	.....
Wigglesworth	4	Northwesterly	Near McGregor pl. . . .	Bonair st.	6.67	1,02.0	.....	79 80	34.0	121 30
Winter	7	Both	College ave.	Holland st.	5.00	503.9	.....	386 27	140.8	597 05
Total assessment, \$12,778.29		Net cost to city, \$12,778.35					24,191.3	4,007.8	25,556 64	8,010.0	1,6027 35
Amount of edgestone and brick sidewalk, including granolithic, in front of private estates						37.1	1,180.4				
Totals. (Gravel sidewalks, 4.555 miles. Brick and granolithic sidewalks, 1.542 miles.)											

Table of Street Construction.

	Miles.
*Streets paved with granite blocks	2.80
Streets paved with asphalt	0.73
Streets paved with vitrified brick (Davis square)	0.14
Streets paved with "bitulithic"	0.34
**Streets macadamized	64.75
Streets graveled	16.00
Streets unimproved	8.79
Total	93.55

*Also 29.6 miles (single track) electric railway, paved with granite, asphalt, "bitulithic."

**Includes 2.84 miles boulevard.

Lines, grades, and measurements have been given and miscellaneous work done for paving with "Warren's Bitulithic Pavement" a portion of Bow and Summer streets, extending from Union square to the westerly line of School street, a length of 1,770 linear feet. The contract price for laying this new pavement complete, including a five-years' guarantee, was \$2.25 per square yard.

In conjunction with the laying of this permanent pavement, the railroad company have double-tracked that portion of Summer street, and the city has widened the roadway by setting back the edgestone on the sidewalk eight inches on each side of this street.

The total amount of "Bitulithic Pavement" laid, including an area of 1,824 square yards between the car tracks paid for by the railroad company, was 7,085 square yards, and the entire cost to the city of the new work was \$14,422.78, and, deducting the amount allowed for old materials removed on the line of work as a credit to the account, shows the net cost to the city \$13,964.63 for the improvement of a portion of Bow and Summer streets.

Union square has been enlarged at its easterly end by the addition of a triangular area in front of the new fire station, which was formerly occupied by old buildings. This additional space was paved with granite blocks amounting to 614 square yards, and also necessitated the re-laying of 748 square yards of the old granite paving, to conform with the established grade in the square.

There are sections of flat-grade macadam streets in the city where, in times of storms, they become nothing but mud holes, and it is impossible, under the present conditions, to drain the water from their surfaces; in these few places it would be advisable to re-construct the road bed with a permanent pavement, and the addition of catch basins between the car tracks would put these sections of streets in first-class condition for a nominal expense. Also on some of the principal streets the edgestone should be completed and gutters paved, so that the street can be

properly drained in times of heavy storms, thereby saving a large cost in the maintenance of the city's highways.

It would be advisable to lay with some suitable permanent pavement, bitulithic, vitrified brick, or asphalt, the narrow spaces left between the car track and sidewalk on certain streets where double tracks have been laid, and where it is impossible to maintain a macadam roadway, even at a heavy expense yearly: sections of Pearl street, Medford street, Washington street, Holland street, and public squares.

The West End Street Railway Company, by its attorney, the Boston Elevated Railway Company, in addition to the double-track laying on a section of Summer street, before referred to (on account of the paving of this street), have completed the double-track laying in Concord square, and two long turnouts in Springfield street, where, on account of the narrow roadway, the railroad company laid an asphalt pavement the entire width of the street where the new tracks were constructed.

A petition is still pending before the board of aldermen for a double-track location in a portion of Mystic and Middlesex avenues, extending from the Charlestown line to the Fellsway boulevard.

A public hearing has been held on this matter, and whenever these tracks are laid, it will necessitate the widening and filling to grade of these avenues and macadamizing the roadways.

There are at present laid in Somerville streets twenty-nine and six-tenths miles of electric car track (single track location).

Bridges and Grade Crossings. All of the city's highways over the Southern division of the Boston & Maine railroad have good and substantial modern bridges, with the one exception at Lowell street, where there is great need of a highway bridge over the main line, and also the Arlington branch of the railroad, this street being one of the principal cross-town streets in the centre of the city. Negotiations with the railroad company are at present pending, but probably satisfactory arrangements will be made for the construction of these bridges in the near future.

The abolition of grade crossings in this city has been a matter of discussion for a number of years past, and while the expense to the city for changing these crossings would be large, the amount would be quite small when compared with the total cost and amount of work involved by the railroad companies.

Some feasible plan must first be agreed upon by the parties vitally interested, and this involves the steam and electric railroad companies and cities of Somerville and Cambridge working in unison; a petition has been before the courts for some time in reference to this matter.

Elevations and check levels have been taken on the Boston-avenue granite arch bridge recently constructed, and no settlement or change was found from the original construction work.

SEWER DEPARTMENT.
Sewers Construction Account.

STATEMENT OF EXPENSES, 1904.

Constructing "separate system" sewers (assessments levied) petitioned for . . .	\$3,254 71	
Constructing "separate system" sewers (no assessments)	3,137 73	
Constructing combined system sewers (assessments levied) petitioned for . . .	2,552 16	
Constructing storm drains and overflows . . .	4,172 22	
Constructing 48 catch basins, street drainage, . . .	2,478 00	
Final payments on sewers constructed 1903 . . .	1,060 66	
Work and materials furnished other departments	203 40	
Sundry expenses, books and printing	46 08	
Materials on hand December 31, 1904	358 01	
	<hr/>	
Total expenditure	\$17,262 97	
Transferred to Highway Department	5,000 00	
Transferred to Fire Department	2,500 00	
Transferred to Public Buildings Department	1,500 00	
	<hr/>	
Total		\$26,262 97
CREDIT.		
Appropriation	\$25,000 00	
Balance unexpended December 31, 1903	1,374 58	
Assessments levied, sewers constructed 1904,	5,174 17	
Amounts received from other departments	275 67	
Reserves on contracts, due 1905	499 34	
Materials on hand December 31, 1903	686 29	
	<hr/>	
Total		\$33,010 05
		<hr/>
Balance unexpended		\$6,747 08

The greater part of the new construction work has been done by contract, and the remainder by the city employing day labor, where old structures were to be remodeled or replaced by some difficult construction work.

All materials have been furnished by the city, and the prices paid for drain pipe, cement, etc., for the season have been at an unusually low rate.

A number of sewers have been constructed as petitioned for in different sections of the city, and portions of the cost of construction assessed on the abutting estates under orders adopted by the board of aldermen.

Short lines of storm drains and overflows from congested sewers have been constructed during the year in the most needed districts.

The "separate system" sewers (those built for house drainage only) have been extended in a number of streets, and this system should be extended yearly until all the flooded districts in the city have two complete systems of drainage, the new

sewer to be used for house drainage, and the old existing sewer mains to be used for storm and surface water.

Wherever these new sewers are constructed, the house plumbing should be changed where necessary, and the house drains re-connected with both systems as soon as possible.

New sewers and drains were constructed during the year, varying in size from eight-inch pipe to thirty-inch pipe and forty-four-inch brick in the following localities:—

“Separate system” sewers in:—

Beacon street,—(northeast side) Sacramento street to Stanford terrace.

Boston avenue,—Highland road to Pearson avenue.

Dane avenue,—(both sides) Leland street to Dane street.

Leland street,—Washington street to Dane avenue.

Porter street,—(both sides) Elm street, northeasterly.

Powder-house boulevard,—(both sides) North street to near Curtis street.

Russell road,—Broadway, northeasterly.

Ware street,—Powder-house boulevard, southwesterly.

Webster avenue,—(westerly side) Union square, south-erly.

Washington street,—(southerly side) Union square to near Fitchburg railroad.

“Combined system” sewers in:—

Boston avenue,—Morrison avenue, northeasterly.

Boston street,—Walnut street, southeasterly.

Highland road,—Frederick avenue to Boston avenue.

Hillside circle,—Craigie street, westerly.

Line street,—Cooney street, southeasterly.

Pearson avenue,—Frederick avenue to Boston avenue.

Walnut street and private lands,—Gilman street to Boston & Maine railroad, and westerly along railroad.

Storm drains in:—

Broadway and private lands,—(southwesterly side) Boston & Maine railroad to Josephine avenue.

Cameron avenue,—Seven Pines avenue to Mead street.

Cedar street,—Sartwell avenue, southwesterly.

Lowell street,—Albion street to Hudson street.

Vine street,—Somerville avenue, southwesterly.

Yorktown street,—Seven Pines avenue to Glendale avenue.

Summary of Work. Twenty-four new sewers and drains have been constructed during the year, a total length of 11,544.2 linear feet (2.19 miles), at a cost of \$13,116.82; plans have been made showing these sewers and assessments levied on a portion of them, amounting to \$5,174.17. (See tabular statement of sewers and drains for 1904, showing itemized statement of work and cost.)

TABULAR STATEMENT OF SEWERS BUILT IN 1904.

LOCATION.				ITEMS OF CONSTRUCTION AND COST.																				
NAME OF STREET.	FROM	To	CONTRACTOR.	MATERIAL EXCAVATED.	Average Cut.	SEWER.		SUE-DRAIN.		Cubic yards Rock Excavation.	Price per cubic yard, Rock.	Manholes.	Average cost Manholes.	Inlets	PIPE SEWER, COST PER LINEAL FOOT.							Total cost.	Assessment.	Cost to City.
						Size in inches.	Length in feet.	Size in inches.	Length in feet.						Excavating, Re-filling, and Pipe Laying.		Pipe, including Sub-drain where laid	Inspection.	Miscellaneous.	Lumber.	Average cost per lineal foot.			
															Main Sewer.	Sub-drain								
*Beacon st. (N. E. side)	Sacramento st.	Stanford ter.	Richard Falvey	Sand	7.5	10	577.4	4	237.0	.....	.....	2	\$37.45	20	\$0.42	\$0.20	\$0.32	\$0.03	\$0.02	.....	\$1.00	\$579.55	.....	\$579.55
*Boston ave.	Highland road	Pearson ave.	Timothy F. Crimmings	Hardpan and clay	11.5	8	269.7	6	268.7	.....	.....	1	37.75	19	0.90	0.20	0.33	0.10	.....	.....	1.78	451.45	\$423.43	28.02
Boston ave.	Morrison ave.	Northeasterly	Timothy F. Crimmings	Hardpan and clay	10.5	2	330.5	.....	.....	.....	.....	1	38.75	19	0.85	.....	0.43	0.02	0.01	.....	1.43	471.12	385.05	86.07
Boston st. (S. W. side)	Walnut st.	Southeasterly	Timothy F. Crimmings	Hardpan	6.5	8	178.0	.....	.....	.....	.....	.....	.....	2	Built	at petitioners' expense	.....	.....	.....	.....	.....	.....	.....	.....
Broadway and (S. W. side)	Boston ave.	Josephine ave.	Day Labor	Hardpan	10.0	12	252.0	.....	.....	.....	.....	.....	.....	5	0.78	.....	0.59	.....	.....	.....	1.37	692.54	.....	692.54
Private lands (storm drain)	Boston ave.	Boston & Maine R. R.	Day Labor	Hardpan	5.0	15	252.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
					7.5	30	344.0	.....	.....	.....	.....	.....	.....	.....	0.68	.....	2.02	0.06	0.02	.....	2.81	1,726.89	.....	1,726.89
Cameron ave. (storm drain)	Seven Pines ave.	Mead st.	Richard Falvey	Sand	7.2	20	270.5	.....	.....	1	\$3.00	1	35.95	2	0.61	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cedar st. (storm drain)	Sartwell ave.	Southwesterly	Day labor	Hardpan and clay	9.2	44 Brick Arch	264.5	.....	.....	.....	.....	2	40.00	10	4.10	.....	.....	.....	123.60	\$0.19	4.68	1,239.38	.....	1,239.38
*Dane ave. and (both sides)	Leland st.	Near Dane st.	Daniel A. Dorey	Sand	6.0	8	1105.5	.....	.....	.....	.....	6	39.45	45	0.72	0.25	0.25	0.04	0.01	0.05	0.99	1,430.49	.....	1,430.49
*Leland st.	Washington st.	Dane ave.	Daniel A. Dorey	Filling and sand	9.5	10	336.9	5	331.6	3	2.00	.....	.....	21	0.32	.....	.....	.....	.....	.....	.....	.....	.....	.....
					7.8	12	56.1	.....	.....	.....	.....	.....	.....	.....	0.60	.....	0.35	0.04	.....	.....	0.96	731.95	729.61	2.34
Highland road	Frederick ave.	Near Boston ave.	Richard Falvey	Sand and clay	7.5	.....	703.4	.....	.....	.....	.....	3	34.67	54	0.43	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hillside circle	Craigie st.	Northwesterly	Charles A. Kelley	Hardpan and loam	6.8	8	193.5	.....	.....	.....	.....	.....	.....	3	Built	at petitioners' expense	.....	.....	.....	.....	.....	.....	.....	.....
Line st.	Cooney st.	Southeasterly	Timothy F. Crimmings	Hardpan	11.8	12	249.5	.....	.....	2	.60	1	36.65	20	1.00	.....	0.45	0.08	118.65	0.04	1.82	454.01	193.75	260.26
Lowell st. (storm drain)	Albion st.	Hudson st.	Day labor	Hardpan	5.0	10	246.0	.....	.....	.....	.....	.....	.....	.....	0.26	.....	0.31	.....	.....	.....	0.57	140.99	.....	140.90
Pearson ave.	Frederick ave.	Near Boston ave.	Richard Falvey	Filling, clay, and sand	8.0	8	611.7	5	179.0	.....	.....	2	34.50	42	0.43	0.20	0.25	0.05	.....	.....	0.93	552.58	551.59	0.99
					7.5	8	272.7	.....	.....	.....	.....	1	35.45	10	0.43	.....	0.21	0.07	0.01	.....	0.83	437.01	.....	437.01
*Porter st. (both sides)	Elm st.	Northeasterly	Bartholomew Burke	Clay	7.2	8	257.0	.....	.....	.....	.....	1	35.45	7	0.37	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Powder-house b'l'vard (N. E. side)	North st.	Near Curtis st.	Charles A. Kelley	Hardpan and sand	7.0	8	1096.5	4	164.	6.9	3.75	3	30.30	42	0.34	0.15	0.22	0.04	.....	.....	0.73	798.90	798.72	0.18
*Powder-ho. b'l'vard & (S. W. side)	North st.	Near Curtis st.	Charles A. Kelley	Hardpan, rock, and sand	7.0	8	1262.5	.....	.....	52.3	2.50	4	33.38	48	0.34	.....	0.22	0.03	.....	.....	0.86	1,156.76	1,074.70	82.06
*North st.	East side boulevard	West side boulevard	Charles A. Kelley	Hardpan	10.0	12	91.8	.....	.....	.....	.....	1	35.88	1	0.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Russell road	Broadway	Northeasterly	Bartholomew Burke	Hardpan and rock	7.8	8	414.8	.....	.....	69.5	2.48	2	34.15	22	0.33	.....	0.21	0.04	0.01	.....	1.17	485.15	485.12	0.03
Vine st. (storm drain)	Somerville ave.	Southwesterly	Day Labor	Sand	8.8	18	130.0	.....	.....	.....	.....	1	30.00	1	0.72	.....	0.68	0.09	.....	.....	1.71	222.78	.....	222.78
Walnut st. and (S. side)	Gilman st.	S. W. of B. & M. R. R.	Day Labor	Hardpan	3.0	8	225.8	.....	.....	.....	.....	3	14.98	1	0.18	.....	0.35	0.05	0.03	.....	0.71	342.50	169.79	172.71
Private lands	Walnut st.	N'y along B. & M. R. R.	Day Labor	Filling	3.0	8	257.2	.....	.....	.....	.....	.....	.....	7	0.18	.....	.....	.....	.....	.....	.....	.....	.....	.....
*Ware st.	Powder-house boulevard	S. W'y and in Ware st. E. & W.	Patrick Burke	Hardpan	8.0	8	464.6	.....	.....	1	3.00	2	34.15	36	0.34	.....	0.22	0.05	0.01	.....	0.78	362.45	362.41	0.04
*Webster ave. and (W. side)	Union sq.	Southerly	Richard Falvey	Sand	9.0	8	123.2	.....	.....	.....	.....	.....	.....	4	0.64	.....	.....	.....	175.88	.....	1.19	690.68	.....	690.68
*Washington st. (S. side)	Union sq.	Near Fitchburg R. R.	Richard Falvey	Sand	9.0	8	455.9	.....	.....	.....	.....	2	40.00	13	0.64	.....	0.19	0.05	125.00	.....	1.19	690.68	.....	690.68
Yorktown st. and	Seven Pines ave.	Glendale ave.	Day Labor	Sand	4.3	12	170.0	.....	.....	.....	.....	.....	.....	1	0.21	.....	0.39	.....	.....	.....	0.60	149.73	.....	149.73
Glendale ave. (storm drain)	Yorktown st.	Southeasterly	Day Labor	Sand	4.3	10	81.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total length and cost of new sewers and drains built in 1904																						\$13,116.82	\$5,174.17	\$7,942.65

* Separate system sewer.

† Paid Highway Dep't. for resurfacing trench.

‡ Extra work on account of gas pipe.

Total length of sewers built by the city, January 1, 1905 418,212.5 feet.
 Total length of private sewers in the city, January 1, 1905 34,627.0 feet. (1,380 feet added 1904 not shown previously).
 Total length of sewers in the city, January 1, 1905 452,839.5 feet, or 85.765 miles. (18.65 miles separate system.)
 Total length of storm drains in the city, January 1, 1905 26,476.8 feet, or 5.015 miles.
 Total length of the city drainage system, January 1, 1905 90,780 miles.
 Total length of Met. sewerage system mains running through the city 3,368 miles.

The total length of the city's drainage system is 90.50 miles; 18.65 miles being on the "separate system," and 5.02 miles of storm drains, and the entire cost of construction has amounted to about \$1,144,328, exclusive of the amount paid the state for the construction of the North Metropolitan sewerage system.

Forty-eight new catch basins have been constructed in the highways during the year, at an average cost of \$51.62 per basin, making a total of 1,314 catch basins in the city for street drainage purposes.

Metropolitan Sewer Connections. All of the city's ten connections with the North Metropolitan sewerage system are in good condition. No new main connections have been required, but on the northeasterly side of Mystic avenue, near Melrose street, a small temporary house connection was made with the state sewer, the city having no main sewer in Mystic avenue at this locality.

At the Somerville-avenue-Poplar-street connection with the Metropolitan sewer, records compiled from an automatic recording clock placed in the "regulator chamber" on the combined system show this outlet to have been cut off as follows:—

Year 1904, completely closed 279 hours, partly closed 922 hours. (In the 1903 report a table shows the record for the previous four years.)

The city's assessment for the Metropolitan system for the past year was \$32,172.57 on construction account and \$18,231.97 for maintenance, and the total amount paid the commonwealth of Massachusetts for this state sewer has been \$470,636.71 (1894-1904, both years inclusive). The total length of the Metropolitan sewerage system mains running through the city amounts to 3.31 miles.

New Work. The construction of a permanent storm drainage system should be commenced in the vicinity of North Somerville in the near future, where buildings and new streets are being rapidly constructed, with no good and permanent means yet provided for taking care of the storm water.

A relief sewer should be constructed along the northeasterly side of Highland avenue, between Cedar street and Lowell street, to prevent the flooding of cellars in this locality in times of storms.

In the vicinity of Lowell and Vernon streets, some arrangement should be made with the railroad company, whenever the highway bridge is constructed at Lowell street, for providing an outlet for storm water in this locality through the railroad valley, which would be beneficial to both the city and railroad.

A large storm overflow drain has been contemplated for some time at the East Cambridge line, across private lands from Somerville avenue, discharging into the head of Miller's river. In conjunction with this last proposed work, a readjustment of the present legislative act should be made on a more equitable basis, whereby the amount paid by this city to Cambridge for the maintenance of the Somerville-avenue-Bridge-street sewer would be less and in proportion to the use of the same at the present time, the prevailing conditions being far different from what existed some thirty years ago, when the division of the cost was established.

A special act of the legislature in 1903 authorized the cities of Somerville and Cambridge and the towns of Arlington and Belmont to unite in improving the sanitary condition of Alewife brook within the limits of the referred-to cities and towns, and after considerable preliminary work had been done, it was deemed advisable to suspend operations, as another act was passed by the legislature in 1904 whereby, in conjunction with the Metropolitan Park Commission, the entire length of Alewife brook, together with upper Mystic river in Medford, might be improved far more extensively than at first proposed by the cities and towns originally interested in the matter.

The Metropolitan Park Commission have recently issued a lengthy report on this proposed improvement of the brook and river.

Sewers Maintenance Account.

STATEMENT OF EXPENSES, 1904.

Maintenance of sewers, including cleaning and flushing	\$2,749 48	
Maintenance of catch basins, cleaning and flushing	5,818 25	
Changing line and grade and repairing catch basins	791 43	
Changing line and grade and repairing man-holes	366 93	
Inspection and location of house drains	200 44	
Rent of water course between Mystic and Middlesex avenues	300 00	
Rebuilding sections of old sewers	894 03	
New tools and supplies	449 05	
Repairs of tools and property	59 86	
Cleaning cellars flooded in times of storms, Sundry expenses, car fares, telephone, etc.	7 75	
Maintenance of sewer department yards and buildings	69 28	
Work and materials furnished other departments	255 48	
Construction of drain and drainage of basement floors, Armory building	124 22	
Settlement of claims for damages	112 79	
	300 00	
Total		\$12,498 99

CREDIT.

Appropriation	\$11,800 00	
Transferred from other accounts	370 62	
Amounts received from other departments, labor, materials	290 82	
Sale of old hose, iron, etc.	37 55	
	<hr/>	
Total		\$12,498 99
Value of tools and property on hand used in maintenance of sewers		\$977 36

A permanent force of men and teams are kept continually at work flushing, cleaning, and repairing the city's drainage system, the expense necessarily increasing yearly as lengths of sewers, drains, and catch basins are added to the system.

Nearly 7,000 cubic yards of deposit have been removed from the catch basins and sewers during the year. Eighty-five catch basins and eighty-three manholes have been repaired, and grade or line changed.

A number of extensive repairs have been made on some of the old sewers, alterations made in the outlets, and overflows and extra manholes built for the purpose of improving the system.

Sewers have been repaired in Beacon street, Flint-street place, Harrison street, Moore street, Temple street, Webster street, and Wilton street.

Three hundred and eighteen permits have been issued to licensed drain layers for connecting buildings with the main sewers, twenty-nine being for repairs; all of the work being done under the supervision of the city's inspector. There are to date about 12,815 private drain connections with the city's drainage system.

The coming year will terminate the city's payment of rental for the use of the old water course across the marsh land between Mystic and Middlesex avenues, as a permanent right of way has been obtained and a large storm drain completed.

A number of cases of claims for damages have been settled for small amounts.

Considerable work has been done and materials furnished other departments during the year whenever requested, the sewer department being reimbursed for the same.

The armory building on Highland avenue was found to have surface and ground water flooding the basement floors after every storm, on account of faulty construction in the drainage of the building, and there being no appropriation, the sewer department spent \$112.79 in laying drains that would make the basement available for use.

A tide gate was constructed on the city home property, to prevent the back flowage from Alewife brook; a number of gate chambers have been constructed for the water department, and miscellaneous work done for the highway department.

PUBLIC GROUNDS DEPARTMENT.

At the present time there are eighteen separate parcels of land, located in all parts of Somerville, used for parks and playgrounds, amounting to sixty-four acres, and also a boulevard about one and one-third miles in length maintained by the city.

The larger areas, Broadway, Central hill, Prospect hill, Lincoln and Tufts parks, have been policed by regular officers from the police department during the spring and summer months; trees and shrubs added to the various grounds, and bulbs, plants, and flowers furnished in their seasons, and during the winter time ponds flooded for skating.

Six fields have been maintained for baseball and three for football playing, and are constantly in use by the various athletic teams, and the outdoor gymnasium, bicycle track, and tennis courts have been a source of much enjoyment.

The city maintains one of the finest enclosed athletic fields in this vicinity, located near Powder-house square, West Somerville, between Broadway and the boulevard, which, on Thanksgiving day, was the scene of a fine athletic contest between teams representing the Somerville and Cambridge high schools, about 8,000 people being in attendance.

Additional seats have been built on this field during the year at the expense of the High School Athletic Association, making a total seating capacity for nearly 5,000 people, and standing room for three to four thousand more.

The playgrounds on Glen street, at Oliver street, have been enlarged by the city obtaining the use of the vacant land in the rear joining the city's property, which has been graded and in use during the year; also another area located east of Broadway park has been partially graded and put in condition for a playground, the owners of this vacant land agreeing to allow the city to use the same for this purpose.

At the corner of Highland avenue and Cedar street, a portion of the Gurney estate has been graded and laid out for a playground, at the solicitation of parties interested in this matter.

The remaining unimproved portion of the city's field, located at the corner of Broadway and Cedar street, has been partly graded, and will probably be completed in the early spring, so that the area in front of the city stables and on one of the principal streets of the city may be kept in a respectable condition and utilized as a playground in this vicinity.

Wyatt's clay pit in Lincoln park has been used by the board of health for the disposal of ashes, and during the coming year will be practically all filled, so that this park can be completed as originally designed to be laid out.



PROSPECT HILL TOWER,
Prospect Hill Park, Somerville, Mass.

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ENG. DEPT.

Trees of the Carolina poplar variety have been planted on both sides of the Powder-house boulevard, extending from the square westerly to Curtis street, and the coming spring planting should be continued on the remaining length. Houses have been erected on all lots on both sides of this boulevard, between Packard avenue and Curtis street, and a number of buildings are being built west of Curtis street.

On Prospect-hill park the retaining wall along the south-westerly side has been completed, an iron fence erected on top of this wall, and a walk constructed at the base of the slope, and additional trees and shrubs planted, all at an expense of \$1,630.70.

The total amount expended in completing this park and observation tower within the last three years has been as follows:—

Land purchased	\$48,964 91
Laying out and grading	17,762 30
Observation tower	8,103 03
Bronze tablets erected	500 00
Total	<u>\$75,330 24</u>

The granite observation tower on this park was electrically illuminated in the evening on Decoration day, the Seventeenth of June, and Fourth of July, by arranging about 500 incandescent lights around the top of the structure.

Elevations and check levels taken on this tower show no settlement since construction.

During construction work in the excavation of material from the slopes of this old hill, many ancient relics were found, such as buttons from the uniforms worn by the American and British soldiers, cannon balls, bullets, an old spade and pick, etc., also an old well was found, said to have been used by the soldiers of the Revolution encamped on Prospect hill, which has been preserved, and in which an old-time well-sweep and oaken bucket are to be placed.

Maintenance Account.

STATEMENT OF EXPENSES.

Broadway Park (15.9 acres):—

Maintenance of grounds and general care of property	\$1,552 77	
Removing brown-tail and gypsy moths	48 00	
Tools and supplies	56 24	
Repairing tools and property	114 60	
Plants, flowers, bulbs, etc.	259 47	
	<u></u>	\$2,031 08
Amount carried forward		<u>\$2,031 08</u>

Amount brought forward		\$2,031 08
Broadway Parkway (1.4 acres):—		
Maintenance of grounds	\$168 75	
Plants, flowers, etc.	100 00	
	<hr/>	268 75
Central Hill Park (13.1 acres):—		
Maintenance of grounds and general care of property	\$1,414 32	
Removing brown-tail and gypsy moths	32 00	
Tools and supplies	76 00	
Repairing tools and property	105 99	
Repairing rockery and addition of trees and shrubs	138 84	
Plants, flowers, bulbs, etc.	609 11	
	<hr/>	2,376 26
Prospect Hill Park (2.6 acres):—		
Maintenance of grounds	\$1,218 12	
Tools and supplies	46 09	
Repairing tools and property	27 22	
Repairing fences	11 25	
Illuminating tower	119 14	
	<hr/>	1,421 82
Lincoln Park (8.3 acres):—		
Maintenance of grounds and general care of property	\$1,283 68	
Tools and supplies	42 53	
Repairing tools and property	70 45	
Repairing fences	36 03	
Sidewalk assessments	104 56	
Plants, flowers, etc.	67 00	
	<hr/>	1,604 25
Tufts Park (4.5 acres):—		
Maintenance of grounds and general care of property	\$719 70	
Removing brown-tail and gypsy moths	36 00	
Tools and supplies	35 35	
Repairing tools and property	35 24	
Plants, flowers, bulbs, etc.	144 96	
	<hr/>	971 25
Paul Revere Park:—		
Maintenance of grounds		8 63
Broadway Athletic Field, Tufts College land (4.4 acres):—		
Maintenance of grounds and care of prop- erty	\$484 40	
Building new seats and additions to fence,	1,134 91	
Tools and supplies	124 36	
Repairing property	33 31	
	<hr/>	1,776 98
Playgrounds, Glen street, corner Oliver street (0.9 acre + 1.5 acres leased):—		
Maintenance of grounds	\$59 85	
Grading additional area and lease of land,	276 21	
	<hr/>	336 06
Amount carried forward		<hr/> \$10,795 08

Amount brought forward		\$10,795 08	
Playgrounds, Poplar street, corner Joy street (0.4 acre):—			
Maintenance			17 75
Playgrounds, Webster avenue, near Cambridge line (0.2 acre):—			
Maintenance of grounds			5 00
Playgrounds, Winthrop avenue (2.5 acres leased):—			
Laying out and grading	\$100 25		
Maintenance	18 88		
			<hr/> 119 13
Playgrounds, Highland avenue, at Cedar street (1.8 acres leased):—			
Laying out and grading	\$188 79		
Maintenance	47 75		
			<hr/> 236 54
Playgrounds, Somerville avenue, corner Kent street (0.8 acre):—			
Maintenance of grounds	\$46 25		
Repairing property	17 85		
			<hr/> 64 10
Playgrounds, Belmont street, near Summer street (0.4 acre):—			
Maintenance of grounds	\$48 00		
Plants, flowers, bulbs, etc.	109 19		
			<hr/> 157 19
Playgrounds, Broadway, corner Cedar street (4.2 acres):—			
Maintenance of grounds	\$45 37		
Grading westerly part of field	594 08		
			<hr/> 639 45
Playgrounds, College avenue, opposite Morrison avenue (0.4 acre):—			
Maintenance of grounds			11 38
Cemetery, Somerville avenue (0.7 acre):—			
Maintenance of grounds			40 31
Powder House Boulevard (1 1-3 miles long):—			
Maintenance of roadway and walks	\$211 79		
Trees and planting	146 15		
			<hr/> 357 94
Incidentals			38 00
			<hr/>
Total expenditure maintenance (64 acres, 1 1-3 miles boulevard)		\$12,481 87	

CREDIT.

Appropriation	\$11,000 00	
Transferred from other departments	421 87	
	<hr/>	
Amounts carried forward	\$11,421 87	\$12,481 87

Amounts brought forward	\$11,421 87	\$12,481 87
Boston Elevated Railway Company, proportional park maintenance Broadway Parkway, 1904	50 00	
Sundry persons, part cost of improvements,	10 00	
Amount received from High School Athletic Association	1,000 00	
	<hr/>	
Total		\$12,481 87
Value of tools and property used in maintenance of grounds	\$2,000 00	

APPENDED TABLE.

Following this report is a table giving names of all streets in the city, public and private, lengths, widths, and the total mileage; in the 1901 report a table was given showing the locations and names of public squares in the city, and in the 1898 report old names of certain streets as formerly known.

Respectfully submitted,

ERNEST W. BAILEY,

City Engineer.

**TABLE SHOWING THE LOCATION, LENGTH AND WIDTH OF
PUBLIC AND PRIVATE STREETS.**

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Abdell pl. . . .	Somerville ave. .	Southwesterly . .	Private.	25	....	203
Adams	Broadway	Medford st. . . .	Public.	40	907	....
Addison pl. . .	Somerville ave. .	Southwesterly . .	Private.	20	....	150
Adrian	Marion st. . . .	Joseph st. . . .	Public.	40	579	....
Albion pl. . . .	Albion st. . . .	Northeasterly . .	Private.	10	....	166
Albion ct. . . .	Albion st. . . .	Southwesterly . .	Private.	16	....	116
Albion	Central st. . . .	Cedar st. . . .	Public.	40	2,742	....
Albion	Broadway	Medford line . .	Private.	50	....	100
Albion ter. . . .	Albion st. . . .	Southwesterly . .	Private.	25	....	100
Aldersey	Walnut st. . . .	Vinal ave. . . .	Public.	40	508	....
Aldrich	Pearl st. . . .	B. & L. R. R. . .	Public.	40	611	....
Alfred	Broadway	Medford line . .	Private.	50	....	50
Allen	Somerville ave. .	Charlestown st. .	Private.	25	....	680
Allen ct. . . .	Park st. . . .	Northwesterly . .	Private.	20	....	150
Alpine	Cedar st. . . .	Southeasterly . .	Private.	30	....	670
Alpine	Alpine st. . . .	Lowell st. . . .	Public.	40	688	....
Alston	Cross st. . . .	Shawmut pl. . . .	Public.	40	567	....
Ames	Bartlett st. . . .	Robinson st. . . .	Public.	40	580	....
Appleton	Willow ave. . . .	Clifton st. . . .	Public.	40	548	....
Appleton	Clifton st. . . .	Liberty ave. . . .	Private.	40	....	120
Arlington	Franklin st. . . .	Lincoln st. . . .	Public.	40	452	....
Arnold ave. . . .	Porter st. . . .	Southeasterly . .	Private.	15	....	127
Arnold ct. . . .	Beacon st. . . .	Northeasterly . .	Private.	10	....	115
Arthur ct. . . .	Linden st. . . .	Easterly	Private.	about 10	....	100
Arthur	Broadway	Bonair st. . . .	Public.	40	438	....
Ash ave. . . .	Meacham st. . . .	Northeasterly . .	Private.	40	....	705
Ashland	Summer st. . . .	Sartwell ave. . . .	Public.	30	478	....
Atherton	Central st. . . .	Beech st. . . .	Public.	40	264	....
Auburn ave. . . .	Cross st. . . .	B. & L. R. R. . .	Private.	30	....	600
Austin	Broadway	Mystic ave. . . .	Public.	40	716	....
Autumn	Broadway	Bonair st. . . .	Private.	20	....	420
Avon	School st. . . .	Central st. . . .	Public.	40	1,360	....
Avon pl. . . .	Cross st. . . .	B. & L. R. R. . .	Private.	25	....	150
Banks	Elm st. . . .	Summer st. . . .	Public.	40	639	....
Bartlett	Vernon st. . . .	Broadway	Public.	40	1,550	....
Bartlett	Washington st. .	Southerly	Private.	20	....	200
Barton	Broadway	Russell road. . . .	Private.	40	....	382
Bay State ave. .	Broadway	Fosket st. . . .	Private.	40	....	1,197
Beach ave. . . .	Webster ave. . .	Columbia st. . . .	Private.	about 20	....	200
Beacon pl. . . .	Beacon st. . . .	Northeasterly . .	Private.	15	....	200
Beacon	Cambridge line .	Somerville ave. .	Public.	66	6,007	....
Beacon ter. . . .	Somerville ave. .	Northeasterly . .	Private.	24	....	110
Bean's ct. . . .	Cutter st. . . .	Southeasterly . .	Private.	16	....	100
Beckwith cir. .	Beacon st. . . .	Southwesterly . .	Private.	20	....	120
Bedford	South st. . . .	Cambridge line .	Public.	30	165	....
Beech	Somerville ave. .	Spring st. . . .	Public.	40	800	....
Bellevue ter. .	Albion st. . . .	Northeasterly . .	Private.	20	....	90
Belknap	Broadway	Russell road. . .	Private.	40	....	449
Belmont	Somerville ave. .	Highland ave. . .	Public.	40	2,192	....
Belmont pl. . .	Belmont st. . . .	Southeasterly . .	Private.	25	....	175
Benedict ave. .	Broadway	Benedict st. . . .	Private.	20	....	200
Benedict	Union st. . . .	Austin st. . . .	Public.	40	585	....
Bennett ct. . . .	Bennett st. . . .	Prospect st. . . .	Private.	10	....	100
Bennett	Prospect st. . . .	Bennett ct. . . .	Private.	40 to 25	....	400
Benton road . .	Summer st. . . .	Hudson st. . . .	Public.	40	1,208	....
Berkeley	School st. . . .	Central st. . . .	Public.	40	1,360	....
Berwick	Lawrence st. . .	Northwesterly . .	Private.	20	....	170
Bigelow	Boston st. . . .	Munroe st. . . .	Public.	50	208	....
Billingham . . .	Broadway	William st. . . .	Public.	40	563	....
Bishop's pl. . .	Glen st. . . .	Easterly	Private.	10	....	75
Blakeley ave. .	Winthrop ave. . .	Cross st. . . .	Private.	40	....	630
Bleachery ct. .	Somerville ave. .	Fitchburg R. R. .	Private.	30	....	450
Bolton	Oak st. . . .	Houghton st. . . .	Public.	40	476	....
Bonair	Cross st. . . .	Walnut st. . . .	Public.	40	1,535	....
Bond	Broadway	Jaques st. . . .	Public.	40	655	....
Bonner ave. . .	Washington st. .	Columbus ave. . .	Public.	40	376	....

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Boston ave. . .	Medford line . .	Mystic river . .	Public.	60	915	....
Boston ave. . .	Broadway . . .	Medford line . .	Public.	50	80	....
Boston ave. . .	Broadway . . .	Highland road . .	Private.	65	....	290
Boston ave. . .	Highland road . .	Easterly angle . .	Private.	50	....	655
Boston ave. . .	Angle southerly . .	Morrison ave. . .	Private.	40	....	1,025
Boston . . .	Washington st. . .	Prospect Hill ave. .	Public.	45	640	....
Boston . . .	Prospect Hill av. .	Walnut st. . .	Public.	40	1,242	....
Bow . . .	Union sq. . .	Wesley sq. . .	Public.	60	658	....
Bow . . .	Wesley sq. . .	Somerville ave. . .	Public.	50	570	....
Bowdoin . . .	Washington st. . .	Lincoln park . .	Public.	40	341	....
Bowers ave. . .	Cottage ave. . .	Elm st. . .	Private.	24	....	288
Bow St. pl. . .	Bow st. . .	Northwesterly . .	Private.	40	....	300
Bradford ave. . .	School st. . .	Southeasterly . .	Private.	40	....	150
Bradley . . .	Pearl st. . .	Walter st. . .	Public.	40	762	....
Brastow ave. . .	Lowell st. . .	Porter st. . .	Public.	40	686	....
Bristol road . . .	Broadway . . .	Medford line . .	Private.	40	....	98
Broadway . . .	Charlestown line . .	Cross st. . .	Public.	100	2,590	....
Broadway . . .	Cross st. . .	Marshall st. . .	Public.	100 to 200	2,060	....
Broadway . . .	Marshall st. . .	Main st. . .	Public.	100	1,570	....
Broadway . . .	Main st. . .	Top of hill . .	Public.	100 to 90	1,030	....
Broadway . . .	Top of hill . .	Albion st. . .	Public.	90	2,540	....
Broadway . . .	Albion st. . .	Willow ave. . .	Public.	90 to 70	1,030	....
Broadway . . .	Willow ave. . .	Paulina st. . .	Public.	70	3,250	....
Broadway . . .	Paulina st. . .	Arlington line . .	Public.	65-60-65	3,220	....
Broadway pl. . .	Broadway . . .	Southwesterly . .	Private.	22	....	250
Bromfield road . .	Warner st. . .	Professors row . .	Private.	40	....	1,260
Brook . . .	Glen st. . .	Cross st. . .	Public.	40	504	....
Browning road . .	Sycamore st. . .	Central st. . .	Public.	40	679	....
Buckingham . . .	Beacon st. . .	Dimick st. . .	Public.	40	292	....
Burnside ave. . .	Elm st. . .	Summer st. . .	Public.	40	720	....
Caldwell ave. . .	Washington st. . .	Southerly . . .	Private.	20	....	210
Calvin . . .	Beacon st. . .	Dimick st. . .	Private.	40	....	250
Calvin . . .	Dimick st. . .	Washington st. . .	Private.	30	....	395
Cambria . . .	Central st. . .	Benton road . .	Public.	40	488	....
Cameron ave. . .	Holland st. . .	Cambridge line . .	Public.	60	1,065	....
Campbell pk. . .	Meacham rd. . .	Kingston st. . .	Public.	40	399	....
Campbell Pk. pl. .	Kingston st. . .	Arlington Br. R.R. .	Private.	20	....	84
Carlton . . .	Somerville ave. . .	Lake st. . .	Public.	40	300	....
Carver . . .	Porter st. . .	Northwesterly . .	Private.	40	....	156
Cedar ave. . .	Cedar st. . .	Linden ave. . .	Private.	22	....	290
Cedar ct. . .	Cedar st. . .	Southeasterly . .	Private.	15+	....	70+
Cedar St. pl. . .	Murdock st. . .	Southwesterly . .	Private.	20	....	220
Cedar St. pl. . .	Cedar n'r Elm st . .	Southeasterly . .	Private.	12+	....	80+
Cedar . . .	Elm st. . .	Broadway . . .	Public.	40	4,137	....
Central . . .	Somerville ave. . .	Summer st. . .	Public.	33	1,043	....
Central . . .	Summer st. . .	Medford st. . .	Public.	40	2,539	....
Central . . .	Medford st. . .	Broadway . . .	Public.	45	1,079	....
Centre . . .	Albion st. . .	B. & L. R. R. . .	Private.	35	....	200
Chandler . . .	Park ave. . .	Broadway . . .	Public.	40	1,232	....
Chapel . . .	College ave. . .	Chandler st. . .	Public.	40	273	....
Chapel ct. . .	Sycamore st. . .	Northwesterly . .	Private.	12	....	130
Charles . . .	Washington st. . .	Southerly . . .	Public.	30	166	....
Charlestown . . .	Allen st. . .	Easterly . . .	Private.	15	....	400
Charnwood road . .	Willow ave. . .	Hancock st. . .	Public.	40	589	....
*Chelsea . . .	Mystic ave. . .	Melrose st. . .	Private.	50	....	1,390
Cherry . . .	Elm st. . .	Highland ave. . .	Public.	45	1,450	....
Chester . . .	Elm st. . .	Cambridge line . .	Public.	40	885	....
Chester ave. . .	Medford st. . .	Angle . . .	Public.	about 22	220	....
Chester ave. . .	Angle . . .	Cross st. . .	Private.	20	....	445
Chester pl. . .	Chester st. . .	Northwesterly . .	Private.	40	....	200
Chestnut . . .	Poplar st. . .	Southeasterly . .	Private.	40	....	540
Church . . .	Summer st. . .	Lake st. . .	Public.	40	964	....
Church St. pl. . .	Church st. . .	Northwesterly . .	Private.	25	....	170
Claremon . . .	Holland st. . .	Mead st. . .	Public.	40	560	....

* Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	TO	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Clarendon ave. . .	Broadway . . .	Cambridge line . .	Public.	40	1,217	....
Clark	Newton st. . . .	Lincoln parkway . .	Private.	35	....	545
Cleveland	Central st. . . .	Elm pl.	Private.	40	....	270
Clifton	Appleton st. . . .	Morrison ave. . . .	Public.	40	200	....
Clifton	Morrison ave. . . .	Arlington Br. R.R. .	Private.	40	....	220
Clyde	Cedar st.	Murdock st.	Private.	30	....	600
College ave. . . .	Davis sq.	Medford line	Public.	60	4,080	....
Columbia	Webster ave. . . .	Cambridge line . . .	Public	40	816	....
Columbia ct. . . .	Columbia st. . . .	Webster ave.	Private.	9	....	150
Columbus ave. . . .	Washington st. . . .	Walnut st.	Public.	40	1,425	....
Concord ave. . . .	Prospect st. . . .	Leon st.	Public.	40	1,483	....
Concord ave. . . .	Leon st.	Beacon st.	Private.	30	....	470
Congress pl. . . .	Linwood st.	Southwesterly	Private.	16	....	200
Conlon ct.	Columbia st. . . .	Easterly	Private.	20	....	200
Conwell ave. . . .	Curtis st.	North st.	Private.	40	....	1,349
Conwell	Highland ave. . . .	Southwesterly	Public.	35	363	....
Cooney	Beacon st.	Line st.	Private.	30	....	220
Cottage ave. . . .	Russell st.	Chester st.	Public.	40	550	....
Cottage circle . . .	Cottage ave. . . .	Southwesterly	Private.	25	....	87
Cottage pl.	Washington st. . . .	Northwesterly	Private.	about 11	....	150
Craigie	Somerville ave. . . .	Summer st.	Public.	50	1,280	....
Craigie ter. . . .	16 Craigie st. . . .	Westerly	Private.	25	....	126
Crescent	Washington st. . . .	Pearl st.	Private.	30 to 38	....	650
Crocker	Highland ave. . . .	Crown st.	Public.	40	528	....
Cross	Medford st.	Broadway	Public.	45	2,680	....
Cross	Broadway	Mystic ave.	Public.	40	1,100	....
Cross St. pl. . . .	Cross st.	Northwesterly	Private.	24	....	150
Crown	Porter st.	Lowell st.	Private.	30	....	700
Curtis ave.	Curtis st.	Northwesterly	Private.	40	....	700
Curtis	Broadway	Medford line	Public.	40	2,357	....
Cutler	Lawrence st.	Northwesterly	Private.	20	....	170
Cutter ave.	Summer st.	Highland ave. . . .	Public.	40	480	....
Cutter pk.	Cutter ave.	Northwesterly	Private.	12	....	83
Cutter	Broadway	Webster st.	Public.	40	730	....
Cypress	Central st.	Beech st.	Public.	40	262	....
Dana	Bonair st.	Pearl st.	Public.	40	696	....
Dane	Somerville ave. . . .	Washington st. . . .	Public.	40	1,341	....
Dane ave.	Dane st.	Leland st.	Public.	30	569	....
Dartmouth	Medford st.	Broadway	Public.	40	1,465	....
Day	Elm st.	Cambridge line	Public.	40	908	....
Delaware	Aldrich st.	Pearl st.	Public.	40	451	....
Dell	Glen st.	Tufts st.	Public.	40	466	....
Derby	Temple st.	Grant st.	Public.	40	831	....
Derby	Grant st.	Wheatland st.	Private.	40	....	200
Dexter	Broadway	Medford line	Private.	50	....	25
Dickinson	Springfield st. . . .	Beacon st.	Public.	40	770	....
Dickson	Broadway	Fairmount ave. . . .	Private.	40	....	271
Dimick	Concord ave. . . .	Calvin st.	Public.	40	957	....
Distillhouse	South st.	Cambridge line	Private.	35	....	150
Dix pl.	Linwood st.	Southwesterly	Private.	10	....	100
Dover	Elm st.	Cambridge line	Public.	40	975	....
Downer pl.	Downer st.	B. & L. R. R. . . .	Private.	20	....	125
Downer	Nashua st.	Southeasterly	Private.	20	....	120
Dresden circle . . .	Cutter ave.	Westerly	Private.	30	....	133
Durham	Beacon st.	Hanson st.	Public.	40	423	....
Dynamo	Willow ave.	Whipple st.	Private.	30	....	255
Earle	South st.	Fitchburg R. R. . . .	Private.	30	....	322
East Albion	Mt. Vernon ave. . . .	E. of Moreland st. . .	Private.	25	....	188
East Albion	E. of Moreland st . .	Medford line	Private.	40	....	490
Eastman road. . . .	Highland ave. . . .	Southwesterly	Public.	40	296	....
*Edgeworth	Mystic ave.	Melrose st.	Private.	50	....	1,380
Edmands	Broadway	Bonair st.	Public.	40	462	....
Edmonton ave. . . .	Cross st.	Winthrop ave.	Private.	40	....	630
Electric ave. . . .	Curtis st.	Packard ave.	Public.	40	681	....
Eliot	Vine st.	Park st.	Public.	40	291	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Ellington road . . .	Highland ave. . .	Northeasterly . . .	Private.	35	....	120
Ellington road . . .	West st.	Northwesterly . . .	Private.	30	....	405
Ellsworth	Cross st.	Rush st.	Public.	40	230	....
Elm ct.	Villa ave.	Northwesterly . . .	Private.	18	....	70
Elm pl.	Harvard st.	Easterly & west'ly	Private.	30	....	400
Elm	Somerville ave. . .	Cherry st.	Public.	63	1,672	....
Elm	Cherry st.	White st.	Public.	63 to 60	330	....
Elm	White st.	Banks st.	Public.	60	660	....
Elm	Banks st.	Beech st.	Public.	60 to 77.5	290	....
Elm	Beech st.	Tenney st.	Public.	77.5 to 60	570	....
Elm	Tenney st.	Davis sq.	Public.	60	1,429	....
Elmwood	Holland st.	Cambridge line . . .	Public.	40	1,057	....
Elmwood ter. . . .	Elmwood st.	Easterly	Private.	20	....	190
Elston	Elm st.	Summer st.	Public.	40	396	....
Emerson	Everett st.	Newton st.	Private.	30	....	170
Emery	Fitchburg R. R. . .	South st.	Private.	30	....	335
Endicott ave. . . .	Broadway	Woodstock st.(Ext'n)	Private.	40	....	800
Essex	Medford st.	Richdale ave. . . .	Public.	40	232	....
Eustis	Beacon st.	Southwest	Private.	30	....	150
Everett ave.	Cross st.	Dana st.	Public.	40	845	....
Everett	Webster ave.	Newton st.	Private.	30	....	350
Evergreen ave. . . .	Marshall st.	Sycamore st.	Public.	40	1,320	....
Evergreen sq. . . .	Porter st.	Southeasterly . . .	Private.	8	....	200
Fairlee	Cherry st.	Northwesterly . . .	Public.	30	144	....
Fairmount ave. . . .	Curtis st.	Northwesterly . . .	Private.	40	....	700
Fairview ter. . . .	Sycamore st.	Southwesterly . . .	Private.	15	....	173
Farragut ave. . . .	Broadway	Woodstock st.(Ext'n)	Public.	40	905	....
Fellsway	Mystic ave.	Medford line	Public.	70 to 130	2,500	....
Fellsway east	(Winthrop ave.)	Broadway	Mystic ave.	Public.	50	1,222
Fellsway west	(Chauncey ave.)	Broadway	Mystic ave.	Public.	50	1,324
Fenwick	Broadway	Jaques st.	Public.	40	601	....
Fisk ave.	Hinckley st.	Lowell st.	Private.	20 & 25	....	460
Fitchburg ct.	Fitchburg st.	Southeasterly . . .	Private.	10	....	225
Fitchburg	Linwood st.	B. & L. R. R. . . .	Private.	40	....	400
Flint ave.	Flint st.	Northerly	Private.	40	....	200
Flint	Franklin st.	Aldrich st.	Public.	40	1,790	....
Florence	Washington st. . . .	Perkins st.	Public.	40	1,304	....
Florence ter.	Jaques st.	Southwesterly . . .	Private.	20	....	90
Forest	Beacon st.	Cambridge line . . .	Public.	40	117	....
Forster	Sycamore st.	Central st.	Private.	30	....	430
Fosket	Willow ave.	Liberty ave.	Public.	40	668	....
Fountain ave.	Cross st.	Glen st.	Public.	30	578	....
Francesca ave. . . .	College ave.	Liberty ave.	Public.	40	762	....
Francis	Porter st.	Conwell st.	Private.	30	....	180
Franklin ave.	Washington st. . . .	Franklin st.	Private.	20	....	500
Franklin pl.	Franklin st.	Southeasterly . . .	Private.	15	....	100
Franklin	Broadway	Washington st. . . .	Public.	40+	2,316	....
Frederick ave. . . .	Willow ave.	Boston ave.	Private.	40	....	1,217
Fremont ave.	Bowdoin st.	Lincoln pk.	Private.	30	....	235
Fremont	Main st.	Meacham st.	Public.	40	612	....
Fremont	Meacham st.	Near Mystic ave. . .	Private.	40	....	785
Frost ave.	Somerville ave. . . .	Dane st.	Private.	35	....	550
Garden ct.	Somerville ave. . . .	Fitchburg R. R. . . .	Private.	25	....	370
Garfield ave.	Broadway	Middlesex ave. . . .	Private.	40	....	1,430
Garrison ave.	Broadway	Woodstock st.(Ext'n)	Private.	40	....	850
George	Broadway	Lincoln ave.	Public.	30	275	....
Gibbens	Central st.	Benton road	Public.	40	492	....
Gibbens	Benton rd.	Northwesterly . . .	Private.	40	....	133
Giles pl.	Walnut st.	Northwesterly . . .	Private.	32.71	....	168
Gill's ct.	Franklin st.	Westerly	Private.	10	....	100
Gilman	Cross st.	Walnut st.	Public.	40	1,430	....
Gilman ter.	Pearl st.	Northeasterly . . .	Public.	40	360	....

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Gilson ter. . . .	Linden ave. . . .	Northwesterly . . .	Private.	20	....	124
Glen	Broadway	Tufts st.	Public.	40	2,373	....
Glendale ave. . .	Cameron ave. . . .	Yorktown st. . . .	Public.	40	410	....
Glenwood rd. . .	Vernon st.	Broadway	Public.	40	1,524	....
Glover circle . . .	Meacham road . . .	Southeasterly . . .	Private.	20	....	110
Gorham	Holland st.	Howard st.	Public.	40	763	....
Gould ave.	Porter st.	Southeasterly . . .	Private.	16	....	156
Gove ct.	Cedar st.	Southeasterly . . .	Private.	15	....	145
Grand View ave. .	Walnut st.	Vinal ave.	Public.	40	542	....
Granite	Somerville ave. . .	Osgood st.	Private.	40	....	400
Grant	Broadway	Jaques st.	Public.	40	536	....
Grant	Jaques st.	Mystic ave.	Private.	40	....	814
Greene	Summer st.	Laurel st.	Public.	40	555	....
Greenville	Medford st.	Munroe st.	Public.	40	660	....
Greenville ter. . .	Greenville st. . . .	Northerly	Private.	20	....	250
Greenwood ter. . .	Beacon st.	Northeasterly . . .	Private.	25	....	165
Grove	Elm st.	Morrison ave. . . .	Public.	40	996	....
Hadley ct.	Franklin st.	Westerly	Private.	20	....	150
Hall ave.	College ave.	Liberty ave.	Public.	40	926	....
Hall	Cedar st.	Cherry st.	Public.	30	456	....
Hamlet	Highland ave. . . .	Southwesterly . . .	Private.	30	....	400
Hammond	Dickinson st.	Concord ave.	Public.	40	267	....
Hancock	Elm st.	Highland ave. . . .	Public.	40	1,349	....
Hancock	Highland ave. . . .	Lexington ave. . . .	Public.	50	376	....
Hanson ave.	Hanson st.	Easterly	Private.	30	....	252
Hanson	Washington st. . . .	Vine st.	Private.	35	....	750
Harcourt	Dimick st.	Harold st.	Private.	40	....	285
Harding	South st.	Cambridge line . . .	Private.	30	....	115
Harold	Dimick st.	Northerly	Private.	40	....	429
Harris	Beacon st.	Cambridge line . . .	Private.	35	....	150
Harrison	Ivaloo st.	Kent st.	Public.	40	644	....
Harrison	Elmwood st.	Southeasterly . . .	Private.	40	....	210
Harvard pl.	Harvard st.	Westerly	Private.	35	....	200
Harvard	Summer st.	Beech st.	Public.	40	717	....
Hathorn	Broadway	Arlington st.	Public.	40	339	....
Hawkins	Somerville ave. . . .	Washington st. . . .	Public.	40	330	....
Hawthorne	Willow ave.	Cutter ave.	Public.	30	807	....
Hayden ter.	Linden ave.	Easterly	Private.	20	....	120
Heath	Temple st.	Bond st.	Public.	45	1,043	....
Heath	Bond st.	Moreland st.	Private.	40	....	750
Henderson	Richardson st. . . .	B. & L. R. R. . . .	Private.	20	....	535
Hennessy ct. . . .	Medford st.	Fisk ave.	Private.	20	....	250
Henrietta ct. . . .	Somerville ave. . . .	Northerly	Private.	8 and 20.	....	161
Henry ave.	Highland ave. . . .	Lexington ave. . . .	Public.	40	290	....
Herbert	Chester st.	Day st.	Public.	40	337	....
Hersey	Berkeley st.	Oxford st.	Private.	40	....	230
Highland ave. . . .	Medford st.	Davis sq.	Public.	60	9,135	....
Highland rd. . . .	Morrison ave.	Boston ave.	Private.	70	....	1 500
Hill	Broadway	Fairmount ave. . . .	Private.	40	....	286
Hillside ave. . . .	Pearl st.	Southwesterly . . .	Private.	30	....	150
Hillside cir. . . .	Craigie st.	Westerly	Private.	16	....	151
Hillside pk.	Walnut st.	Northwesterly . . .	Public.	40	196	....
Hinckley	Broadway	Lawrence st.	Private.	30	....	430
Hodgdon pl.	Dane ave.	Northeasterly . . .	Private.	about 20	....	150
Holland	Davis sq.	Broadway	Public.	60	2,696	....
Holt's ave.	Oak st.	Southeasterly . . .	Private.	10	....	100
Holyoke road . . .	Elm st.	Elm st.	Public.	40	637	....
Homer sq.	Bonner ave.	Northwesterly . . .	Public.	30+	200	....
Horace	South st.	Fitchburg R. R. . . .	Private.	30	....	510
Houghton	Springfield st. . . .	Cambridge line. . . .	Public.	40	653	....
Howard	Thorndike st.	Gorham street	Private.	40	....	430
Howe	Marshall st.	School st.	Public.	40	445	....
Hudson	Central st.	Cedar st.	Public.	40	2,760	....
Hunting	South st.	Cambridge line . . .	Private.	30	....	125

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Ibbetson	Somerville ave.	Lowell st. . . .	Public.	40	802	....
Irving	Holland st. . . .	Broadway	Public.	40	1,180	....
Ivaloo	Beacon st. . . .	Park st.	Public.	40	685	....
James	Pearl st.	Veazie st.	Public.	40	320	....
Jaques	Chauncey ave. . .	Temple st.	Public.	40	1,182	....
Jaques	Temple st.	Bond st.	Public.	45	1,005	....
Jasper pl.	Jasper st.	Walnut st.	Private.	20	....	225
Jasper	Pearl st.	Gilman st.	Private.	40	....	300
Jay	Holland st.	Howard st.	Public.	40	534	....
Jerome ct.	Sycamore st. . . .	Jerome st.	Private.	10	....	150
Jerome	Montr�se st. . . .	Jerome ct.	Private.	20	....	125
Joseph	Newton st.	Lincoln parkway .	Public.	40	458	....
Josephine ave. .	Morrison ave. . .	Broadway	Public.	45	1,718	....
Joy	Washington st. . .	Poplar st.	Public.	30	1,121	....
Joy St. pl.	Joy st.	Southwesterly . .	Private.	30	....	175
Kenneson road . .	Broadway	Southwesterly . .	Private.	30	....	270
Kensington ave. .	Broadway	Blakeley ave. . . .	Public.	40	455	....
*Kensington ave.	Blakeley ave. . . .	Middlesex ave. . .	Private.	40	....	1,150
Kent ct.	Kent st.	Northerly	Private.	about 25	....	420
Kent	Somerville ave. . .	Fitchburg R. R. . .	Public.	40	292	....
Kent	Fitchburg R. R. . .	Beacon st.	Public.	25	386	....
Kenwood	College ave. . . .	Billingham st. . . .	Public.	40	322	....
Kidder ave. . . .	College ave. . . .	Liberty ave.	Public.	40	625	....
Kidder ave. . . .	Liberty ave. . . .	Willow ave.	Private.	40	....	655
Kilby	Somerville ave. . .	Southwesterly . .	Private.	20	....	180
Kimball	Lowell st.	Craigie st.	Private.	40	....	303
Kingman ct. . . .	Washington st. . .	Fitchburg R. R. . .	Private.	25	....	400
Kingston	Meacham road . . .	Cambridge line . .	Public.	40	647	....
Knapp	School st.	Granite st.	Public.	40	379	....
Knowlton	Tufts st.	N' Ely line Est. 37	Public.	40	461	....
Knowlton	End of above . . .	Oliver st.	Private.	40	....	464
Lake	Hawkins st. . . .	Church st.	Public.	40	840	....
Lamson ct.	Linwood st. . . .	Poplar st.	Private.	20	....	370
Landers	School st.	Westerly	Private.	40	....	280
Latin Way	Talbot ave.	Professors row . .	Private.	60	....	250
Laurel ave. . . .	Laurel st.	Northwesterly . .	Private.	18	....	125
Laurel	Somerville ave. . .	Summer st.	Public.	40	983	....
Lawrence	Hinckley st. . . .	B. & L. R. R. . . .	Private.	35	....	650
Lawrence	Boston ave.	Southwesterly . .	Private.	35	....	710
Lawson ter. . . .	Putnam st.	Easterly	Private.	5	....	200
Lee	Medford st. . . .	Richdale ave. . . .	Public.	40	385	....
Leland	Washington st. . .	Dane ave.	Private.	40	....	365
Leon	Concord ave. . . .	Dickinson st. . . .	Public.	40	155	....
Leonard pl. . . .	Joy st.	Northeasterly . .	Private.	13+	....	98
Lesley ave. . . .	Highland ave. . .	Lexington ave. . .	Public.	40	333	....
Leslie pl.	Highland ave. . .	Northerly	Private.	12	....	75
Lester ter. . . .	Meacham road . . .	Northwesterly . .	Private.	20	....	190
Lexington ave. . .	Willow ave. . . .	Hancock st.	Private.	50	....	623
Lexington ave. . .	Hancock st. . . .	Cedar st.	Private.	45 and 40	....	721
Liberty ave. . . .	Hall ave.	Broadway	Public.	40	1,395	....
Liberty ave. . . .	Hall ave.	Appleton st. . . .	Private.	40	....	100
Lincoln ave. . . .	Lincoln st.	Mt. Vernon st. . .	Public.	30	478	....
Lincoln parkway .	Washington st. . .	Perry st.	Public.	40	1,520	....
Lincoln pl. . . .	Lincoln ave. . . .	Northerly	Private.	9	....	120
Lincoln	Broadway	Perkins st.	Public.	40	550	....
Linden ave. . . .	Elm st.	Summer st.	Public.	45	1,083	....
Linden ave. . . .	Summer st.	Northeasterly . .	Private.	45	....	250
Linden circle . .	Linden ave. . . .	Southeasterly . .	Private.	24	....	120
Linden pl.	Linden ave. . . .	Northwesterly . .	Private.	20	....	160
Linden	Somerville ave. . .	Charlestown st. . .	Private.	33	....	705
Line	Washington st. . .	Cambridge line . .	Public.	30	1,727	....
Linehan ct. . . .	Linwood st. . . .	Chestnut st. . . .	Private.	about 15	....	200

* Proposed.

**Table Showing the Location, Length and Width of Public and
Private Streets. — Continued.**

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Linwood pl. . . .	Linwood st. . . .	Southwesterly . . .	Private.	about 12	....	150
Linwood	Somerville ave. . .	Washington st. . .	Public.	50	2,114	....
London	Linwood st. . . .	B. & L. R. R. . . .	Private.	40	....	340
Loring	Somerville ave. . .	Northeasterly . . .	Private.	40	....	400
Louisburg pl. . .	Autumn st. . . .	Easterly	Private.	13	....	90
Lovell	Broadway	Electric ave. . . .	Private.	40	....	385
Lowden ave. . . .	Broadway	Fosket st. . . .	Private.	40	....	1,205
Lowell	Somerville ave. . .	Summer st. . . .	Public.	36	1,259	....
Lowell	Summer st. . . .	Crown st. . . .	Private.	33+	....	349
Lowell	Crown st. . . .	Albion st. . . .	Public.	40	972	....
Lowell	Albion st. . . .	L. & A. Br'ch R.R. .	Private.	40	....	540
Lowell	B. & L. R. R. . .	Vernon st. . . .	Private.	33+	....	60
Lowell	Vernon st. . . .	Medford st. . . .	Public.	40	1,141	....
Lowell ter. . . .	Lowell st. . . .	Northwesterly . . .	Private.	20	....	150
Madison	School st. . . .	Sycamore st. . . .	Public.	40	891	....
Main	Broadway	Medford line . . .	Public.	50	966	....
*Malden	Mystic ave. . . .	Melrose st. . . .	Private.	50	....	1,360
Mallet	Willow ave. . . .	Liberty ave. . . .	Private.	40	....	580
Malloy ct. . . .	Somerville ave. . .	Merriam ave. . . .	Private.	30	....	255
Malvern ave. . . .	Cameron ave. . . .	Yorktown st. . . .	Public.	40	410	....
Manila road . . .	Beacon st. . . .	Sacramento st. . .	Private.	40	....	408
Mansfield	Somerville ave. . .	Washington st. . .	Public.	40	735	....
Maple ave. . . .	School st. . . .	Southeasterly . . .	Private.	40	....	300
Maple pl. . . .	Marshall st. . . .	Maple ave. . . .	Private.	5	....	125
Maple	Poplar st. . . .	Medford st. . . .	Public.	30	699	....
Marion	Concord ave. . . .	Wyatt st. N'w'ly . .	Public.	40	740	....
Marshall	Broadway	Pearl st. . . .	Public.	40	1,650	....
May pl. . . .	Hawkins st. . . .	Easterly	Private.	12	....	160
McCulpe pl. . . .	Medford st. . . .	Easterly	Private.	10	....	110
McGregor ave. . .	Wigglesworth st. .	Walnut st. . . .	Private.	about 10	....	250
Meacham road . . .	Dover st. . . .	Cambridge line . . .	Public.	40	1,060	....
Meacham	Mt. Vernon ave. . .	Medford line . . .	Private.	40	....	800
Mead	Cameron ave. . . .	Moore st. . . .	Private.	40	....	340
Medford	Cambridge line . . .	Central st. . . .	Public.	50	8,047	....
Medford	Central st. . . .	Broadway	Public.	55	1,985	....
Melburn pl. . . .	Summer st. . . .	Northeasterly . . .	Private.	30	....	125
Melledew ct. . . .	Belmont st. . . .	Easterly	Private.	15	....	137
Melrose	Mystic ave. . . .	Fellsway	Private.	50	....	2,310
Melvin	Broadway	Bonair st. . . .	Public.	40	487	....
Merriam ave. . . .	Merriam st. . . .	Malloy ct. . . .	Private.	15	....	255
Merriam	Somerville ave. . .	Charlestown st. . .	Private.	30	....	500
Middlesex ave. . .	Mystic ave. . . .	Fellsway	Public.	60	2,304	....
Milk pl. . . .	Somerville ave. . .	Southwesterly . . .	Private.	about 30	....	100
Miller	Sacramento st. . .	Beacon st. . . .	Private.	33	....	465
Milton	Orchard st. . . .	Cambridge line . . .	Public.	40	223	....
Miner	Vernon st. . . .	Ames st. . . .	Public.	40	244	....
Mondamin ct. . . .	Ivaloo st. . . .	Harrison st. . . .	Private.	25	....	250
Monmouth	Central st. . . .	Westerly	Public.	40	267	....
Monmouth	End of above . . .	Harvard st. . . .	Private.	35	....	200
Montgomery ave. .	Broadway	Wellington ave. . .	Public.	40	265	....
Montrose ct. . . .	Montrose st. . . .	B. & L. R. R. . . .	Private.	12	....	110
Montrose	School st. . . .	Sycamore st. . . .	Public.	40	886	....
Moore	Holland st. . . .	Mead st. . . .	Public.	40	695	....
Moreland	Main st. . . .	Meacham st. . . .	Public.	40	691	....
Moreland	Meacham st. . . .	Mystic ave. . . .	Private.	40	....	822
Morgan	Beacon st. . . .	Park st. . . .	Public.	40	377	....
Morrison ave. . . .	Cedar st. . . .	Willow ave. . . .	Public.	50	1,366	....
Morrison ave. . . .	Willow ave. . . .	College ave. . . .	Public.	40	1,690	....
Morrison pl. . . .	Morrison ave. . . .	Northerly	Private.	20	....	190
Morrison pl. . . .	Morrison pl. . . .	Easterly	Private.	15	....	175
Mortimer pl. . . .	Marshall st. . . .	Walter st. . . .	Private.	20	....	280
Morton	Glen st. . . .	Knowlton st. . . .	Public.	40	287	....
Mossland	Somerville ave. . .	Elm st. . . .	Public.	40	377	....
Mountain ave. . . .	Linden ave. . . .	Porter st. . . .	Private.	22	....	310
Mousal pl. . . .	North Union st. . .	B. & M. R. R. . . .	Private.	20	....	200
Mt. Pleasant ct. .	Perkins st. . . .	Southwesterly . . .	Private.	40	....	260

* Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Mt. Pleasant . .	Broadway . . .	Perkins st. . .	Public.	33	584	....
Mt. Vernon ave. .	Main st. . . .	Meacham st. . .	Private.	50	....	800
Mt. Vernon . . .	Washington st. .	Pearl st. . . .	Public.	40	600	....
Mt. Vernon . . .	Pearl st. . . .	Perkins st. . .	Public.	50	473	....
Mt. Vernon . . .	Perkins st. . .	Broadway . . .	Public.	40	590	....
Munroe	Walnut st. . . .	Easterly	Public.	40	375	....
Munroe	End of above . .	Boston st. . . .	Public.	50	1,214	....
Murdock	Cedar st. . . .	Clyde st. . . .	Private.	30	....	900
Murray	Washington st. .	Southerly . . .	Private.	30	....	250
Museum	Beacon st. . . .	Cambridge line .	Public.	40	164	....
Myrtle ct. . . .	Myrtle st. . . .	Easterly	Private.	10	....	100
Myrtle pl. . . .	Myrtle st. . . .	Westerly	Private.	20+	....	120
Myrtle	Washington st. .	Perkins st. . .	Public.	40	1,423	....
Mystic ave. . . .	Charlestown line	Union st. . . .	Public.	60	378	....
Mystic ave. . . .	Union st. . . .	Medford line . .	Public.	66	6,938	....
Mystic	Washington st. .	Somerville ave. .	Public.	40	360	....
Mystic	Benedict st. . .	Mystic ave. . .	Private.	40	....	330
Nashua	Richardson st. .	B. & L. R. R. . .	Private.	35	....	640
Nevada ave. . . .	Village st. . . .	Hanson st. . . .	Private.	20	....	200
Newberne	Appleton st. . .	Morrison ave. . .	Public.	40	200	....
Newberne	Morrison ave. . .	B. & L. R. R. . .	Private.	40	....	173
Newbury	Holland st. . . .	Cambridge line .	Public.	40	1,260	....
Newman pl. . . .	Cedar st. . . .	Southeasterly . .	Private.	15	....	100
Newton pl. . . .	Newton st. . . .	Easterly	Private.	about 10	....	100
Newton	Prospect st. . .	Webster ave. . .	Public.	25	470	....
Newton	Webster ave. . .	Concord ave. . .	Public.	40+	637	....
Norfolk	Webster ave. . .	Cambridge line .	Public.	40	283	....
North	Broadway	Medford line b. 17	Public.	40	1,961	....
North	Medford line b. 17	Medford line b. 18	Public.	37 to 42	649	....
North Union . . .	Mystic ave. . . .	Northeasterly . .	Private.	30	....	600
Norton	Nashua st. . . .	Southeasterly . .	Private.	20	....	200
Norwood ave. . .	Broadway	Medford st. . . .	Public.	40	350	....
Oak	Prospect st. . .	Angle	Public.	40	665	....
Oak	Angle	Cambridge line .	Public.	30	563	....
Oak St. pl. . . .	Oak st.	Northerly	Private.	4	....	85
Oakland ave. . .	Marshall st. . .	School st. . . .	Public.	40	440	....
Olive ave.	Linden ave. . . .	Southeasterly . .	Private.	25	....	155
Olive sq.	Lake st.	Southerly	Private.	about 15	....	100
Oliver	Franklin st. . . .	Cross st.	Public.	40	1,085	....
Orchard	Cambridge line .	Meacham road . .	Public.	40	1,567	....
Osgood	Granite st. . . .	Easterly & west'y	Private.	40	....	450
Ossipee road . . .	Packard ave. . .	Curtis st. . . .	Public.	40	682	....
Otis	Cross st.	Wigglesworth st. .	Public.	40	1,200	....
Oxford	School st. . . .	Central st. . . .	Public.	35	1,361	....
Oxford	Beacon st. . . .	Cambridge line .	Public.	50	1 0	....
Packard ave. . . .	Broadway	Professors row . .	Public.	60	1,758	....
Packard ave. . . .	Professors row . .	Medford line . . .	Private.	60	....	242
Palmer ave. . . .	Franklin st. . . .	Northwesterly . .	Private.	20	....	200
Park ave.	College ave. . . .	Wallace st. . . .	Public.	40	467	....
Park pl.	Laurel st. . . .	Easterly	Private.	30	....	220
Park pl.	Park pl.	Northeasterly . .	Private.	20	....	150
Park	Somerville ave. .	Beacon st. . . .	Public.	50	1,238	....
Parker pl.	Porter st. . . .	Northwesterly . .	Private.	20	....	150
Parker	Washington st. .	Fremont ave. . .	Private.	35	....	200
Partridge ave. . .	Vernon st. . . .	Broadway	Public.	40	1,467	....
Patten ct.	Cutter st. . . .	Southeasterly . .	Private.	8	....	100
Paulina	Broadway	Holland st. . . .	Private.	40	....	775
Pearl	Crescent st. . .	Mt Vernon st. . .	Public.	37	341	....
Pearl	Mt. Vernon st. .	Franklin st. . . .	Public.	50	957	....
Pearl	Franklin st. . . .	Cross st.	Public.	40	1,060	....
Pearl	Cross st.	Medford st. . . .	Public.	50	2,447	....
Pearl St. pl. . . .	Pearl st.	Northeasterly . .	Private.	20	....	200
Pearl ter.	Pearl st.	Northerly	Private.	23	....	161
Pearson ave. . . .	Morrison ave. . .	Boston ave. . . .	Private.	45	....	1,300

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Pearson road . .	Broadway . .	Professors row . .	Private.	40	....	1,654
Pembroke ct. . .	Pembroke st. .	Southwesterly . .	Private.	25	....	130
Pembroke . . .	Central st. . .	Sycamore st. . .	Public.	40	430	....
Perkins pl. . . .	Perkins st. . .	Northeasterly . .	Private.	20	....	200
Perkins	Franklin st. . .	Charlestown line .	Public.	40	1,336	....
Perry	Washington st. .	Lincoln parkway .	Public.	40	606	....
Peterson ter. . .	Porter st. . . .	Northwesterly . .	Private.	13+	....	155
Pinckney pl. . .	Pinckney st. . .	Southeasterly . .	Private.	24	....	125
Pinckney	Washington st. .	Perkins st. . . .	Public.	40	1,186	....
Pitman	Beech st. . . .	Spring st. . . .	Private.	30	....	380
Pitman	Spring st. . . .	Belmont st. . . .	Private.	26	....	390
Pleasant ave. . .	Walnut st. . . .	Vinal ave. . . .	Public.	40	543	....
Poplar ct. . . .	Poplar st. . . .	Southeasterly . .	Private.	10	....	80
Poplar	Somerville ave. .	Linwood st. . . .	Public.	30	351	....
Poplar	Linwood st. . .	Joy st.	Public.	35	315	....
Poplar	Joy st.	B. & L. R. R. . .	Private.	35	....	65
Porter ave. . . .	Porter st. . . .	Northwesterly . .	Private.	20	....	220
Porter pl.	Porter st. . . .	Northwesterly . .	Private.	20	....	195
Porter	Elm st.	Mountain ave. . .	Public.	45	1,622	....
Porter	Mountain ave. .	Highland ave. . .	Public.	40	415	....
Powder house boulevard . . .	Powder house square	Northwesterly, Mystic river and Medford line . .	Public.	80	7,200	....
Powder house ter.	Kidder ave. . . .	Liberty ave. . . .	Public.	40	585	....
Prescott	Summer st. . . .	Highland ave. . .	Public.	50	1,110	....
Preston road . .	School st. . . .	Summer st. . . .	Public.	40	839	....
Princeton	Alpine st. . . .	Lowell st.	Public.	40	648	....
Princeton	Lowell st. . . .	Centre st.	Private.	40	....	540
Pritchard ave. .	Morrison ave. .	Frederick ave. . .	Public.	40	634	....
Pritchard ave. .	Frederick ave. .	Boston ave. . . .	Private.	40	....	511
Professors row .	Boston ave. . . .	College ave. . . .	Private.	50	....	460
Professors row .	College ave. . .	Curtis st.	Public.	40	2,000	....
Prospect	Washington st. .	Cambridge line . .	Public.	50	2,071	....
Prospect Hill av.	Medford st. . . .	Munroe st.	Public.	40	597	....
Prospect Hill p'k'y	Munroe st. . . .	Stone ave.	Public.	40	400	....
Prospect pl. . . .	Prospect st. . . .	Newton st.	Private.	20	....	130
Putnam	Summer st. . . .	Highland ave. . .	Public.	50	1,262	....
Quincy	Somerville ave. .	Summer st.	Public.	40	781	....
Randolph pl. . .	Cross st.	Westerly	Private.	15	....	244
Raymond ave. . .	Curtis st. . . .	North st.	Public.	40	1,345	....
Record's pl. . . .	Broadway	Southwesterly . .	Private.	10	....	110
Reed's ct.	Oliver st.	Southwesterly . .	Private.	20	....	103
Remick ct. . . .	Cutter st. . . .	Southeasterly . .	Private.	10	....	100
Richardson . . .	Lowell st. . . .	Lawrence st. . . .	Public.	35	467	....
Richardson ter. .	Richardson st. .	Northeasterly . .	Private.	20	....	135
Richdale ave. . .	School st. . . .	Sycamore st. . . .	Public.	40	875	....
Richmond hi'h'ds	Madison st. . . .	Southerly	Private.	30	....	150
Roberts	Lawrence st. . .	Northwesterly . .	Private.	20	....	170
Robinson	Central st. . . .	Bartlett st. . . .	Public.	40	582	....
Rogers ave. . . .	Morrison ave. .	Boston ave. . . .	Public.	45	1,682	....
Roland st. . . .	Waverly st. . . .	Boston line . . .	Private.	40	....	100
Roseland	Beacon st. . . .	Cambridge line . .	Public.	40	121	....
Rossmore	Somerville ave. .	Washington st. .	Public.	40	534	....
Royce pl.	Bonair st. . . .	Northeasterly . .	Private.	15+	....	175
Rush	Broadway	Flint st.	Public.	40	1,400	....
Russell road . . .	Broadway	North st.	Private.	40	....	1,193
Russell	Elm st.	Cambridge line . .	Public.	40	700	....
Sacramento . . .	Somerville ave. .	Fitchburg R. R. . .	Public.	40	80	....
Sacramento . . .	Fitchburg R. R. .	Beacon st.	Public.	40	290	....
Sacramento . . .	Beacon st. . . .	Cambridge line . .	Private.	40	....	156
Sanborn ave. . .	Warren ave. . . .	Walnut st.	Public.	40	280	....
Sanborn ct. . . .	Washington st. .	Northwesterly . .	Private.	30	....	176
Sargent ave. . . .	Broadway	Walnut st.	Public.	40	1,075	....
Sartwell ave. . .	Cedar st.	Cherry st.	Private.	35	....	400

Table Showing the Location, Length and Width of Public and Private Streets.—Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Sawyer ave. . . .	Packard ave. . .	Curtis st. . . .	Private.	40	....	690
School	Somerville ave.	Highland ave. . .	Public.	40	1,901	....
School	Highland ave. . .	Broadway	Public.	50	2,500	....
Sellon pl.	Marshall st. . . .	Northwesterly . .	Private.	12	....	120
Seven Pines ave .	Cameron ave. . .	Cambridge line . .	Public.	40	92	....
Sewall ct.	Sewall st.	Southwesterly . .	Private.	25	..	190
Sewall	Grant st.	Temple st.	Public.	40	615	....
Shawmut pl. . . .	Shawmut st. . . .	Alston st.	Private.	30	....	200
Shawmut	Washington st. . .	Cross st.	Public.	40	575	....
Shedd	Somerville ave.	Merriam ave. . . .	Private.	40	....	310
Sherman ct. . . .	Sargent ave. . . .	Marshall st. . . .	Private.	10	....	250
Sherman	Somerville ave.	Frost ave.	Private.	35	....	270
Sibley ct.	Cutter st.	Northwesterly . .	Private.	10	..	100
Sibley pl.	Cutter st.	Northwesterly . .	Private.	10	..	100
Simpson ave. . . .	Broadway	Holland st.	Private.	40	....	825
Skehan	Dane st.	Durham st.	Private.	30	....	720
Skilton ave. . . .	Pearl st.	Pearl st.	Private.	40	....	540
Smith ave.	Beacon st.	Line st.	Private.	25+	..	200
Snow pl.	Belmont st.	Easterly	Private.	30	....	75
Snow pl.	Snow pl.	N'th'ly and S'th'ly	Private.	20	....	222
Snow ter.	Jaques st.	Southwesterly . .	Private.	16	....	120
Somerville ave. . .	E. Camb. line . . .	Union sq.	Public.	75	4,325	....
Somerville ave. . .	Union sq.	N. Camb. line . . .	Public.	70	6,793	....
South	Medford st.	Water st.	Public.	30	989	....
Spencer ave. . . .	Cedar st.	Hancock st.	Public.	40	727	....
Spring ct.	Somerville ave.	Westerly	Private.	20	....	200
Spring	Somerville ave.	Summer st.	Public.	40	1,220	....
Springfield	Concord ave. . . .	Cambridge line . .	Public.	40	788	....
Spring Hill ter. .	Highland ave. . . .	Belmont st.	Private.	20	....	670
Stanford ter. . . .	Beacon st.	Northeasterly . . .	Private.	20	....	200
Stickney ave. . . .	Marshall st. . . .	School st.	Public.	40	458	....
St. James ave. . . .	Elm st.	Summer st.	Public.	40	488	....
Stone ave.	Union sq.	Columbus ave. . . .	Public.	40	676	....
Stone ave.	Columbus ave. . . .	Prospect Hill p'k'y	Public.	38	107	....
Stone pl.	Stone ave.	Southeasterly . . .	Private.	30	....	145
Summer	Bow st.	Elm st.	Public.	45	7,900	....
Summit ave.	Walnut st.	Vinal ave.	Public.	45	532	....
Summit	College ave.	Billingham st. . . .	Public.	40	262	....
Sumner	Lawrence st.	Northwesterly . . .	Private.	20	....	175
Sunnyside ave. . . .	Walnut st.	Wigglesworth st. . .	Private.	35	....	250
Sycamore	Broadway	Medford st.	Public.	45	1,275	..
Sycamore	Medford st	B. & L. R. R. . . .	Public.	40	667	....
Sycamore	B. & L. R. R. . . .	Highland ave. . . .	Public.	35	722	....
Sydney	Grant st.	Temple st.	Public.	40	679	....
Talbot ave.	Packard ave. . . .	College ave.	Private.	50	....	1,409
*Tannery (Ext'n)	Cambridge line . .	Woodstock st.(Ext'n)	Private.	40	....	160
Taunton.	Wyatt st.	Easterly to angle . .	Private.	30	....	170
Taunton	Angle	Marion st.	Private.	20	....	95
Taylor pl.	Somerville ave.	Southerly	Private.	15	....	200
Taylor	Mystic ave.	Sydney st.	Private.	40	....	310
Teele ave.	Packard ave. . . .	Curtis st.	Private.	40	....	685
Temple	Broadway	Mystic ave.	Publ c.	66	1,637	....
Tenney ct.	Mystic ave.	Northeasterly . . .	Private.	30	....	400
Tennyson	Forster st.	Pembroke st.	Public.	40	922	....
Thorndike	Holland st.	Arl'ngt'n Br. R. R. .	Public.	40	465	....
Thorndike	Arl'gt'n Br. R.R.	Kingston st.	Public.	40	115	....
Thorpe pl.	Highland ave. . . .	Southwesterly . . .	Private.	30	....	450
Thurston	Broadway	Richdale ave. . . .	Public.	40	1,660	....
Tower ct.	Tyler st.	Northeasterly . . .	Private.	25	....	150
Tower	Crown st.	Highland ave. . . .	Public.	40	559	....
Tremont pl.	Tremont st.	Southeasterly . . .	Private.	about 10	....	75
Tremont	Webster ave. . . .	Cambridge line . . .	Public.	40	589	....
Trull	Vernon st.	Medford st.	Public.	40	1,050	....

*Proposed.

Table Showing the Location, Length and Width of Public and Private Streets. — Continued.

STREET.	FROM	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Trull lane	Highland ave. . .	Oxford st. . . .	Private.	15	....	200
Tufts parkway . .	College ave. . . .	College ave. . . .	Public.	22	900	....
Tufts	Washington st. . .	Cross st.	Public.	40	982	....
Tyler	Vine st.	Dane st.	Public.	40	404	....
Unnamed st. . . .	Ware st.	Powder h'se blvd.	Private.	20-40	....	283
Unnamed st. (Highway and Water Dept. grounds)	Broadway	Cedar st.	Private.	45	....	980
Union	Broadway	Mystic ave. . . .	Public.	40	345	....
Union pl.	Linwood st. . . .	Southwesterly . .	Private.	10	....	100
Upland Park . . .	Main st.	Southwesterly . .	Private.	20	....	175
Veazie	Walnut st.	Bradley st.	Public.	35	392	....
Veazie	Bradley st.	Marshall st. . . .	Public.	40	261	....
Vernon	Central st.	Glenwood road . .	Public.	40	764	....
Vernon	Glenwood road . .	Lowell st.	Private.	30	....	600
Victoria	Broadway	Cambridge line . .	Private.	40	....	1,036
Villa ave.	Winslow ave. . . .	Arlington Br. R. R.	Private.	35	....	200
Village	Dane st.	Vine st.	Private.	25	....	370
Vinal ave.	Summer st.	Highland ave. . . .	Public.	45	1,425	....
Vinal	Richardson st. . .	Northeasterly . . .	Private.	20	....	200
Vine ct.	Vine st.	Northwesterly . .	Private.	25	....	140
Vine	Somerville ave. . .	Hanson st.	Private.	40	....	780
Vine	Hanson st.	Beacon st.	Private.	25	....	650
Virginia	Aldrich st.	Jasper st.	Public.	40	405	....
Wade ct.	Cedar st.	Westerly	Private.	20	....	180
Waldo ave.	Beacon st.	Dimick st.	Private.	40	....	277
Waldo	Highland ave. . .	Hudson st.	Public.	40	287	....
Wallace	Holland st.	Broadway	Public.	40	1,342	....
Walnut	Bow st.	Broadway	Public.	40	3,948	....
Walter pl.	Walter st.	Southwesterly . .	Private.	40	....	222
Walter	Walnut st.	{ about 100 ft. N. of Bradley st. }	Public.	40	548	....
Ward	Medford st.	Earle st.	Private.	30	....	610
Ware	Curtis st.	Northwesterly . .	Private.	40	....	700
Warner	Powder Houses sq.	Medford line . . .	Public.	60	500	....
Warren ave. . . .	Union sq.	Columbus ave. . .	Public.	40	663	....
Warren	Medford st. . . .	Cambridge line . .	Private.	30	....	100
Warwick place . .	Warwick st. . . .	Northeasterly . .	Private.	15	....	150
Warwick	Cedar st.	Warwick pl. . . .	Public.	40	665	....
Washington ave. .	Washington st. . .	Northerly	Private.	18	....	350
Washington	Charlest'n line . .	Franklin ave. . . .	Public.	75	1,060	....
Washington	Franklin ave. . . .	Fitchburg R. R. . .	Public.	60 to 100	3,977	....
Washington	Fitchburg R. R. . .	Cambridge line . .	Public.	60	2,344	....
Water	South st.	Northerly	Private.	25	....	250
Waterhouse	Broadway	Cambridge line . .	Private.	40	....	986
Watson	Broadway	Fairmount ave. . .	Private.	40	....	236
Waverly	Washington st. . .	Roland st.	Private.	35	....	200
Webster ave. . . .	Union sq.	Cambridge line . .	Public.	49.5	1,955	....
Webster	Franklin st. . . .	Cross st.	Public.	40	1,034	....
Wellington ave. .	Walnut st.	Montgomery ave. .	Public.	40	215	....
Wellington ave. .	Montgomery ave. .	Easterly	Private.	40	....	85
Wesley pk.	Wesley sq.	Northeasterly . .	Public.	40	405	....
Wesley	Pearl st.	Otis st.	Public.	40	515	....
West	Broadway	Heath st.	Private.	30	....	250
West	Hawthorne st. . .	Arlington Br. R. R.	Private.	30	....	460
Westminster . . .	Broadway	Electric ave. . . .	Public.	40	376	....
Weston ave. . . .	Clarendon ave. . .	Broadway	Private.	40	....	525
Westwood road . .	Central st.	Benton road . . .	Public.	40	489	....
Wheatland	Broadway	Jaques st.	Public.	40	495	....
Wheatland	Jaques st.	Mystic ave.	Private.	40	....	855
Wheeler	Pinckney st. . . .	Mt. Vernon st. . .	Public.	40	269	....

Table Showing the Location, Length and Width of Public and Private Streets. — Concluded.

STREET.	FROM.	To	Public or Private.	Width in Feet.	LENGTH.	
					Public.	Private.
Whipple	Highland ave.	Arlington Br. R. R.	Private.	30	....	318
†White	Elm st. . . .	Cambridge line	Public.		307	....
White St. pl. . . .	White st. . . .	Southeasterly	Private.	20	....	200
Wigglesworth	Bonair st. . . .	Pearl st. . . .	Public.	40	744	....
William	Chandler st. . . .	College ave. . . .	Public.	40	381	....
William	Broadway	Medford line	Private.	50	....	45
Williams ct. . . .	Porter st. . . .	Northwesterly	Private.	30	....	150
Willoughby	Central st. . . .	Sycamore st. . . .	Public.	40	427	....
Willow ave. . . .	Elm st. . . .	Broadway	Public.	50	3,534	....
Willow pl. . . .	Cambridge line	South st. . . .	Private.	25	....	150
Wilson ave. . . .	Broadway	B. & L. R. R. . . .	Private.	20	....	210
Wilton	Lowell st. . . .	Lawrence st. . . .	Public.	35	470	....
Winchester	Broadway	Medford line	Private.	40	....	65
Windom	Elm st. . . .	Summer st. . . .	Public.	40	300	....
Windsor road	Willow ave. . . .	Hancock st. . . .	Public.	40	575	....
Winslow ave. . . .	College ave. . . .	Clifton st. . . .	Public.	40	1,123	....
Winter	College ave. . . .	Holland st. . . .	Public.	30	402	....
Winter Hill cir. . . .	Broadway	Northeasterly	Private.	25	....	177
Winthrop ave. (Extension.)	Mystic ave. . . .	Middlesex ave. . . .	Private.	40	....	583
Woodbine	Centre st. . . .	Lowell st. . . .	Private.	30	....	600
*Woods ave. . . .	North st. . . .	Alewife brook	Private.	40	....	1,350
Woodstock	Victoria st. . . .	Alewife brook	Private.	40	....	415
*Woodstock (Extension.)	Victoria st. . . .	Tannery st.(Ext'n.)	Private.	40	....	920
Wyatt circle	Wyatt st. . . .	Wyatt st. . . .	Private.	20	...	315
Wyatt	Concord ave. . . .	Lincoln parkway	Public.	40	496	....
Yorktown	Cambridge line	{ N. E. line Mal- }	Public.	40	294	....
Yorktown	{ N. E. line }	{ vern ave. }				
	{ Malvern ave. }	Northerly. . . .	Private.	40	....	100

*Proposed.

†Sidewalk in Somerville.

Court	26 Craigie st. . . .	Westerly	Private.	25	....	126
Court	36 Craigie st. . . .	Westerly	Private.	25	....	126
Court	292 Broadway	Southwesterly	Private.	15	....	96
Court	58 Dane st. . . .	Easterly	Private.	10	....	70
Court	68 Lowell st. . . .	Westerly	Private.	25	....	101
Court	78 Lowell st. . . .	Westerly	Private.	25	....	101
Court	Olive ave. . . .	Porter st. . . .	Private.	7.5	....	156
Court	10 Stone ave. . . .	Northwesterly	Private.	20	....	113
Court	21 Albion st. . . .	Northeasterly	Private.	10	....	100
Court	227 Columbia st. . . .	Northwesterly	Private.	10	....	117
Court	11 Albion st. . . .	Northeasterly	Private.	9	....	170
Court	20 Dimick st. . . .	Southwesterly	Private.	39.25	....	136
Court	612 Broadway	Southwesterly	Private.	20	....	188
Total . . . .	. . . . .	. . . . .	. . . .	. . . .	365,875	128,103

Public, 69.294 miles (includes 2.843 miles boulevards); private, 24.262 miles.

Total length of streets in the city, 93,556 miles.



HIGHWAY DEPARTMENT STABLE.



FLUSHING DAVIS SQUARE.

REPORT OF THE STREET COMMISSIONER.

OFFICE OF THE STREET COMMISSIONER, }
CITY HALL, January 2, 1905. }

To His Honor, the Mayor, and the Board of Aldermen:—

Gentlemen,—I most respectfully submit the twenty-ninth annual report, containing a brief summary of the principal work performed by the highway department during the year 1904, with recommendations for necessary improvements and additions for the coming year.

It is with a certain feeling of pride that I look back upon the work performed by the highway department the past year; the results obtained are very gratifying, and seem to meet the approbation of the tax-payers. There is nothing which helps to improve the looks of a city more than well-kept streets. Some streets that are not up to date, if kept clean, have a good appearance to the eye. Good streets are being demanded as time advances, and the highway department is doing its utmost to meet the requirements.

Street Cleaning.

The patrol system used in our streets was established in 1896, and has given great satisfaction to the general public. I would recommend that this system be increased, the city be divided into sections, with a patrolman for each, and the purchase of a gutter sweeper and pick-up machine would save expense in this branch of the work.

The street-cleaning force consists of four sweeping machines, one Barnard scraper, two road scrapers, one one-horse steel cart, four Menzies cleaning carts, and twelve small push carts, all in good repair.

Stone Crusher.

Many streets have been re-surfaced and macadamized, and the stone crusher has been unable to supply the demand for stone. 13,378 tons have been crushed at the plant, and 2,870 tons purchased.

City Ledge.

The city ledge between Broadway and Holland street is fast disappearing. A gang of men has been constantly at work getting out the stone, and by the end of another year the supply will be nearly exhausted. I would recommend the early considera-

tion of the advisability of purchasing a stone ledge of suitable material, if found in a favorable location, and I think great improvement at a less cost can be made in the construction and maintenance of our highways.

Wide Tires.

The legislature of 1900 passed an act to regulate the width of tires on draft wagons, as follows:—

Section 1. On and after the first day of January, in the year 1902, it shall be unlawful, except as provided in section four of this act, to use upon any road, street, or way in this Commonwealth a draft wagon or cart having tires of iron or steel, or of any substance equally hard, which are less in width than one and one-half times the diameter of the axle, measured at the shoulder thereof; but in no case shall a tire more than four inches in width be required, and wagons or carts built with wooden or hollow axles shall have tires not less in width than the diameter of the axle, measured at the shoulder thereof.

Section 2. This act shall apply to all wagons and carts the axles of which are two inches or more in diameter, measured as aforesaid, and to all stage coaches, tally-ho coaches, barges and other passenger vehicles not built to run on iron or steel rails and constructed to carry eight or more persons.

Section 3. Whoever violates any provision of this act shall be punished by a fine not exceeding one hundred dollars.

Section 4. This act shall take effect on the first day of January, in the year 1902, but shall not apply to wagons or other vehicles owned and used in this state on that date. (Approved May 23, 1900.)

Under the above act, the department has placed wide tires on all its carts and wagons. The old adage says, "That vehicle that draws that load should make that road, and not that rut." If wide tires will not make good roads, they will keep good roads in good repair.

Summer and Bow Streets.

Edgestones were re-set on Bow street, from Union square to Wesley park, and the roadway on Summer street, from Wesley park to School street, was widened sixteen inches. The Boston Elevated Railway Company has laid double tracks on Summer street, from Wesley park to the westerly side of School street. New rails were laid on Bow street, from Union square to Wesley park, and the railroad co-operated with the city in laying bituminous paving the entire length, which makes a street pavement that has been guaranteed for years, at a cost to the city of \$13,830.93. A turnout has been laid in Springfield street, at Houghton street, and the existing turnout extended on Concord avenue into Springfield street, the company having paved the street at turnouts from curb to rail with asphalt.

Steam Road Rollers.

The city has three Buffalo Pitts steam rollers, one fifteen-ton, that has worked during the past year 214 days, one twelve-ton, worked 210 days, and one five-ton asphalt roller, worked



SUMMER STREET, WITH SINGLE TRACK, IN PREPARATION FOR PAVING.



SUMMER STREET, WITH DOUBLE TRACK, PAVED WITH BITULITHIC.

ninety-five days. All are in fair condition. There is such a pressing demand to have streets re-surfaced and macadamized that I would recommend the purchase of another fifteen-ton roller.

Bridges.

The bridges are in good condition. The approaches to the same are under the care of the Boston & Maine Railroad Company, and need attention. I hope to see in the near future a bridge across the tracks at Lowell street, and the abolishing of grade crossings started on some one division of the Boston & Maine Railroad.

A new bridge has been constructed over the Mystic river, at Middlesex avenue and the Fellsway boulevard, which adds to the approach to our city, and if a boulevard was constructed connecting the Fells and Fenway, it would give to pleasure seekers a drive exceeded by no other in the park system.

Shade Trees.

Shade trees are an important feature of the highways. The department has purchased and set out, under the supervision of an inspector, 469 trees, also 203 trees purchased by individuals. These trees have been well protected by a guard and wire netting, and have been watered during the dry season.

Brown-Tail and Gypsy Moths.

The department is still doing active work towards the destruction of the brown-tail and gypsy moths, and I hope the property owners will co-operate with the city in their extermination. There is reason to believe that the state, and even the United States government, will make an appropriation to exterminate these pests. The total amount expended by the department for the destruction of these pests is \$13,527.42.

Subways.

Storm shields have been erected by the department over the Kent and Thorndike-street subways, and one is being erected over the Sacramento-street subway, which will help materially in the maintenance of the same and the travel for pedestrians.

Street Watering.

Under the law providing for the assessments for street watering, only accepted streets can be watered. When residents wish private streets watered, they must pay the cost of such watering in advance. The street watering is let out by contract at \$85 per month per cart, the contractor to furnish a competent driver and a good pair of horses, and to see that his route, which comprises about two miles, is properly watered at all times, in-

cluding Sundays and holidays. This branch is under the direction of an inspector. There are thirty-two watering carts, all painted and repaired by the department. One new cart has been purchased this year, and to care for the carts during the winter an addition to the watering cart shed has been built. I would recommend the purchase of a new cart in the year 1905.

Clarendon Avenue.

An order was passed by the board of aldermen June 25, 1903, for the laying out and acceptance of Clarendon avenue, from Broadway to the Cambridge line. Work was begun at once, and will be completed by the first day of May, 1905. All the hard stone from the avenue was carted to the crushing plant to be crushed and used in the future, and all other material is to be used in the construction of said avenue.

Accepted Streets.

Fifteen streets have been accepted, comprising in length about 8,194 feet. Ten streets have been constructed, and two streets partially constructed, at a cost of \$17,591.15. The total length constructed was 8,572 feet.

Snow and Ice.

This department was very unfortunate in having to care for such a large fall of snow during the year, as the amount, \$13,171.62, which was spent could have been used to good advantage on the maintenance of our streets. There have been 10,855 loads of snow and ice removed from the streets during the year. It is also the duty of this department to care for all sidewalks as regards the removal of snow and the care of slippery sidewalks during the winter time in front of public buildings and public grounds, also,—under an ordinance passed February 12, 1904,—when the tenants suffer to remain on such sidewalks for more than six hours, between sunrise and sunset, on any day, any snow or any ice, unless such ice is made even and covered with sand or other suitable material to prevent slipping. Such owner and tenant shall remove all snow and ice from such sidewalk within the time and in the manner herein specified. Whoever fails to comply with this ordinance shall be liable to a penalty of not more than \$20 for each offense.

Miscellaneous.

Thirty-two streets have been macadamized or re-surfaced, at a cost of \$17,036.94, a total length of 31,131 feet.

There are 69.3 miles of public streets and 24.26 miles of private streets in the city, making a total length of 93.56 miles in the city.

575 permits were issued for the use of streets and sidewalks,



KENT STREET SUBWAY.



KENT STREET SUBWAY, WITH STORM SHIELD.

and 619 defects in the streets and sidewalks, which were reported by the chief of police, were promptly repaired.

Ninety signs and guide posts have been painted and erected by the department during the year.

4,007.84 square yards of brick and 107.87 square yards of granolithic sidewalks have been laid, and 24,225.4 feet, or nearly 4.588 miles, of edgestone and inside curbing were set, at a cost of \$25,702.06. 8,010 square yards of block stone gutters and 280.11 square yards of vitrified brick, granite, and concrete crossings were laid, costing \$16,392.13.

11,861.6 feet, or over 2.247 miles, of edgestone were re-set, and 7,464.1 square yards of brick sidewalks re-laid, at a cost of \$6,581.01.

229.6 square yards of crossings and driveways have been repaved with granite blocks.

150 square yards of granite and concrete crossings surfaced with concrete, and 102.3 square yards of driveways paved or repaved with brick.

3,437 yards of sand and gravel have been used in this branch of the work. 3,894 loads of dirt and 10,211 loads of scrapings were removed from the streets.

1,362 loads of old macadam and 2,395 loads of ballast were used in the repair and construction of streets, and 4,801 loads of ashes used in the repairs and construction of sidewalks and in setting and re-setting of edgestones.

This department has been called upon to furnish steam roller, teams, crushed stone, sand, gravel, and ashes to the other departments.

This department has paved 614 square yards of block paving and re-laid 748 square yards in front of the engine house situated in Union square.

Some of the sidewalks that have been laid in the oldest parts of the city, and where sewer, water, and gas trenches have been made, need attention.

No department or company should be allowed to open any street or sidewalk after the frost sets in, unless in a case of emergency.

The department maintains its own painter, blacksmith, horseshoer, and harness repairer, all situated at the city stables.

Transportation of Explosives and Gunpowder.

On December 23, 1904, an ordinance was passed by the board of aldermen, a portion of which relates to this department, as follows:—

Section 1. No explosive or gunpowder shall be transported through any portion of a street unless notice has first been given in writing to the chief of the police department, stating the proposed route, the time of transportation and the gunpowder or explosive intended to be transported, nor unless his approval in writing has first been obtained.

Section 3. No vehicle shall be used for the transportation of any explosive or gunpowder through any portion of a street except a ve-

hicle previously approved in writing by the chief of the police department and bearing on the outside of both sides in letters at least four inches high the words, "Explosive" and "Dangerous."

Section 4. No person shall allow a vehicle containing any explosive or gunpowder to be left without some one in charge or to move faster than at the rate of four miles an hour.

In accordance with this ordinance, the department has fulfilled the requirements, and the vehicles used for such purpose have been accepted by the chief of police, and the law will be rigidly enforced.

Recommendations.

I would most respectfully recommend that Washington street, from Union square to the Cambridge line, Prospect street, Linwood street, Summer street, from Belmont street to Cutter square, and School street, from Broadway to Medford street, be macadamized; Washington street, east side, from Tufts street to the Boston line, and Somerville avenue, from Kent street to Oak square, be paved with blocks; that the paving blocks in Union square be removed and said square paved with bitulithic; that the narrow main streets with double car tracks be put in first-class condition with either bitulithic, brick, asphalt, or macadam, and that Gilman square be paved with bitulithic. That edgestones be set and gutters paved with blocks on the south side of Elm street, from Mossland street to Cutter square, Holland street, from Irving street to Teele square, Beacon street, south side, from Washington street to Park street, Main street, from Broadway to the Medford line, Medford street, from the railroad bridge to Highland avenue, and College avenue, from Broadway to the Medford line. This would complete all our main thoroughfares with edgestones. I further recommend that the brick paving in Davis square be extended to Chester street.

I wish to extend my sincere thanks to his honor, the mayor, the board of aldermen, heads of departments, and all city officials with whom I am associated, and the genial public, for their able support and hearty co-operation; and I would express my appreciation of the conscientious work and efficient service of the foremen, inspectors, teamsters, laborers, and all others employed in the department.



EASTMAN ROAD.



BARTLETT STREET, NORTHEASTERLY FROM MEDFORD STREET.

Highways Maintenance Account.

CREDIT.

Appropriation		\$5,375 00
Receipts and credits:—		
Commonwealth of Massachusetts, street railway tax	\$43,655 40	
Boston Elevated Railway tax	7,965 91	
Materials furnished prior to January 1, 1904, the bills of which remained uncollected that day	589 95	
Teaming coal in 1903	63 20	
Value of materials on hand January 1, 1904,	1,868 45	
Value of tools and property on hand January 1, 1904	20,243 45	
		74,386 36
Profit and loss on tools, property, and materials		2,562 14
		<hr/> \$82,323 50

DEBIT.

Expenditures:—		
For repairs of sundry streets as per table B, at end of this report	\$17,036 94	
General repairs of streets	7,025 33	
Repairs of stone paving	132 80	
Repairs and maintenance of gravel sidewalks	2,852 93	
Repairs of street crossings	492 25	
Cleaning streets	14,400 89	
Removing snow and ice and care of slippery sidewalks	13,975 72	
Repairs of gutters	1,328 02	
Care of subways	163 70	
Removing trees	158 23	
Trimming trees	182 30	
Setting trees	194 50	
Paving in front of standpipes	14 45	
Cutting edgestones at catch basins	130 20	
Rolling walks on public grounds	45 65	
Constructing driveway at City Hall Annex	80 19	
Constructing driveway for American Tube Works	14 15	
Constructing driveway for Somerville Hospital	27 43	
Paving in front of engine house, Ward Two	1,825 25	
Cutting down sidewalk, Broadway	999 62	
Constructing street opening at Hillside circle	16 53	
Preparing ball ground at Nunnery grounds	58 93	
Repairing driveway in front of Christie estate, Linwood street	29 00	
Relaying bricks around engine house, Ward Two	194 00	
Setting circle and edgestone, Hall street, corner of Cedar street	4 00	
Moving city scales from Union square	77 98	
Roofing over subways	372 73	
Building stone wall in front of estate Nos. 19 and 21 Clarendon avenue	135 52	
Blacksmithing	511 25	
Carpentering	351 63	
Painting	71 75	
Street Commissioner's salary	1,495 13	
Street Commissioner's team, board of one horse	260 00	
		<hr/>
Amount carried forward	\$64,659 01	

Amount brought forward	\$64,659 01
Street Commissioner's telephone	15 63
Private work, the bills for which remained unpaid December 31, 1904	60 85
Books, stationery, and printing	110 12
Sundry expenses	270 13
Value of materials on hand this day	1,889 80
Value of tools and personal property on hand this day:—	
Horses	\$5,300 00
Carts and implements used with horses	4,284 75
Harnesses and horse clothing	698 03
Stable utensils and property	504 65
Tools	1,633 30
Steam road rollers	7,500 00
Stone crusher and fittings	1,661 50
Street signs	141 50
	<hr/>
	21,723 73
Total debit	<hr/> \$88,729 27
Amount overdrawn	<hr/> \$6,405 77

Highways Construction Account.

CREDIT.

Appropriation	\$10,000 00
Transfer from Sewers Construction account,	5,000 00
Receipts:—	
Highways Maintenance, stone from construction of Clarendon avenue	1,157 34
	<hr/>
Total credit	\$16,157 34

DEBIT.

Expenditures:—

Construction or partial construction of streets as appears by table A, at end of this report	\$16,880 74
Less assessments	3,372 77
	<hr/>
	\$13,507 97
Advertising and recording releases for streets not constructed	127 65
Oliver Ames, damage to estate, Middlesex avenue, caused by change of grade in 1897	150 00
Florence O. Shepard and others (heirs of Susan E. Gaut), taking of land caused by laying out of Sycamore street	153 29
Chetham Parks, taking of land caused by laying out of Sycamore street	45 40
Printing, orders laying out streets	16 42
Photographs	12 00
Books	10 25
	<hr/>
Total debit	\$14,022 98
Balance unexpended	<hr/> \$2,134 36

Highways, Paved Gutters and Crossings.

CREDIT.

Appropriation	\$14,000 00	
Value of material on hand January 1, 1904	396 00	
Net gain on materials	1,126 04	
	<hr/>	
Total credit		\$15,522 04

DEBIT.

Expenditures:—		
For paving twenty-six gutters as per table F	\$16,027 35	
Street crossings as per table J	1,282 10	
Book (ledger)	5 00	
Value of materials on hand this day	270 00	
	<hr/>	
Total debit		\$17,584 45
		<hr/>
Amount overdrawn		\$2,062 41

Highways, Paving Broadway, Bow and Summer Streets.

CREDIT.

Appropriation	\$21,500 00	
Receipts:—		
From Highways Maintenance, for paving blocks	458 15	
Warren Brothers, use of city teams,	8 80	
	<hr/>	
Total credit		\$21,966 95

DEBIT.

Expenditures:—		
Warren Brothers, on account of contract paving Bow and Summer streets, from Union square to northwesterly side of School street	\$11,245 18	
Changing line and grade of catch basins	135 47	
Changing line of fire hydrants and water mains	131 93	
Paving blocks	466 72	
Labor, re-setting edgestones and brick sidewalks	1,637 43	
Bricks used in sidewalks	28 75	
Use of city teams	185 45	
	<hr/>	
Total debit		\$13,830 93
		<hr/>
Balance unexpended		\$8,136 02
(Third and final payment due May, 1905, \$591.85.)		

Highways, Watering Streets.

CREDIT.

Receipts:—		
Assessments and contributions from abutters	\$20,968 68	
Insurance on water carts (collected from contractors)	64 00	
	<hr/>	
Total credit		\$21,032 68

DEBIT.

Expenditures:—

Charles I. Bucknam, supervising street watering	\$859 17	
Teaming	17,013 42	
J. L. and H. K. Potter, three new water carts	1,227 50	
Repairing carts	1,469 21	
Insurance on carts	63 00	
Horseshoeing	25 00	
Water posts	162 95	
Building water cart shed	117 00	
Labor and use of city teams	10 40	
Books	28 25	
Clerical service, making up assessment list,	91 99	
Printing water contracts	5 50	
Total debit		\$21,073 39
Amount overdrawn		\$40 71

Highways, Removing Brown-Tail Moths.

CREDIT.

Appropriation	\$3,000 00	
Receipts:—		
From Public Grounds account	\$7 00	
From sundry persons	534 74	
Total credit		\$3,541 74

DEBIT.

Expenditures:—

Labor, removing brown-tail moths from trees	\$3,376 78	
City teams, use of	187 60	
Charles I. Bucknam, supervising work	300 00	
Tools	48 53	
Stamps	22 00	
Creosote	8 25	
Total debit		\$3,943 16
Amount overdrawn		\$401 42

Highways, Shade Trees.

CREDIT.

Appropriation	\$500 00	
Transfer from Highways, tree guards	250 00	
Total credit		\$750 00

DEBIT.

Expenditures:—

For 469 trees	\$325 00	
Labor, setting trees	395 50	
Amount carried forward	\$720 50	

Amount brought forward	\$720 50	
Use of city teams	70 85	
	<hr/>	
Total debit		\$791 35
		<hr/>
Amount overdrawn		\$41 35
		<hr/>

Highways, Tree Guards.

CREDIT.

Appropriation	\$1,000 00	
Less amount transferred to Highways, shade trees	250 00	
	<hr/>	
Total credit		\$750 00

DEBIT.

Expenditures:—

Labor, setting posts and placing netting around trees	\$359 50	
Posts for tree guards	72 90	
Wire netting	228 50	
Lumber	23 49	
Tools and hardware	8 75	
Wire	1 86	
Use of city teams	18 20	
Total debit		\$713 20
		<hr/>
Balance unexpended		\$36 80
		<hr/>

Thorndike-street Subway.

CREDIT.

Appropriation:—		
Balance January 1, 1904		\$1,791 07

DEBIT.

Expenditure:—

Second and final payment on account of construction	\$2,356 60	
	<hr/>	
Amount overdrawn		\$565 53
		<hr/>

Sidewalks Construction Account.

CREDIT.

Appropriation	\$10,000 00	
Value of materials on hand January 1, 1904	146 20	
Net gain on materials	8 25	
	<hr/>	
Total credit		\$10,154 45

DEBIT.

Expenditures:—

For thirty-five sidewalks constructed as per table C	\$25,556 64	
	<hr/>	

Amount carried forward	\$25,556 64	
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Amount brought forward	\$25,556 64	
Less assessments	12,778 29	
		\$12,778 35
Constructing sidewalks as per table D		70 53
Constructing sidewalks as per table E		38 34
Constructing granolithic sidewalk, No. 771 Broadway		46 68
Materials transferred to Sidewalks Main- tenance account		46 00
Total debit		\$12,979 90
Amount overdrawn		\$2,825 45

Sidewalks Maintenance Account.

CREDIT.

Appropriation	\$6,000 00
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DEBIT.

Expenditures:—

Bricks used in repairing sidewalks	\$564 34
Labor	4,822 85
City teams	691 60
Sand and gravel	278 54
Crushed stone	24 61
Stakes	17 38
Books	17 00
Total debit	\$6,416 32
Amount overdrawn	\$416 32

TABLE A.
Streets Constructed or Partially Constructed in 1904.

STREET.	FROM	TO	CONSTRUCTED WHOLLY OR PARTIALLY.	LENGTH IN FEET.	COST.
Bartlett street .	Medford street .	Broadway .	Wholly .	730	\$808 55
Bowdoin street .	Fremont avenue .	Lincoln park .	Wholly .	94	120 35
Charles street .	Washington street .	Roland street .	Wholly .	166	63 40
Clarendon avenue .	Broadway .	Cambridge line .	Partially .	....	5,865 52
Eastman road .	Highland avenue .	Southwesterly end .	Wholly .	296	370 48
Glendale avenue .	Cameron avenue .	Yorktown street .	Wholly .	410	676 27
Hillside park .	Walnut street .	Estate of Felch & Johnson	Wholly .	196	64 54
Holyoke road .	Elm street .	Elm street .	Wholly .	637	780 13
Josephine avenue .	Morrison avenue .	Broadway .	Wholly .	1,718	1,356 00
Line st. .	Washington street .	Cambridge line .	Wholly .	1,727	642 33
Morrison avenue .	College avenue .	Willow avenue .	Wholly .	1,690	1,086 84
Packard avenue .	Broadway .	Professors' Row .	Wholly .	908	5,046 33
Length in feet and cost .				8,572	\$16,880 74

TABLE B.
Streets Repaired.

STREET.	FROM	TO	DESCRIPTION OF WORK.	FEET.	COST.
Boston street .	Walnut street .	Easterly .	Re-surfaced .	200	\$60 58
Bonair street .	Cross street .	Walnut street .	Macadamized .	1,535	1,099 80
Caneron avenue .	Holland street .	Cambridge line .	Re-surfaced .	1,065	507 54
Central street .	Summer street .	Somerville avenue .	Macadamized .	1,065	646 95
Chester avenue .	Medford street .	Angle .	Macadamized .	220	141 79
Church street .	Summer street .	Somerville avenue .	Macadamized .	560	375 09
Dane street .	Washington street .	Somerville avenue .	Macadamized .	1,341	1,738 63
Dartmouth street .	Medford street .	Northerly .	Re-surfaced .	500	186 89
Elmwood street .	Holland street .	Cambridge line .	Re-surfaced .	1,057	203 19
Everett avenue .	Cross street .	Dana street .	Macadamized .	845	908 37
Evergreen avenue .	Sycamore street .	Dartmouth street .	Macadamized .	565	551 42
Flint street .	Cross street .	Aldrich street .	Macadamized .	750	570 35
Hancock street .	Highland avenue .	Lexington avenue .	Re-surfaced .	376	61 33
Herbert street .	Day street .	Chester street .	Macadamized .	337	440 61
Jaques street .	Temple street .	Bond street .	Macadamized .	1,005	1,879 86
Laurel street .	Somerville avenue .	Summer street .	Macadamized .	983	561 38
Linden avenue .	Elm street .	Summer street .	Macadamized .	1,083	979 23
Medford street .	Somerville avenue .	Washington street .	Re-surfaced .	965	193 42
Medford street .	Gilman square .	Magoun square .	Re-surfaced .	3,855	484 15
Mystic avenue .	Cross street .	Boston line .	Re-surfaced .	2,625	220 09
Norfolk street .	Webster avenue .	Cambridge line .	Re-surfaced .	283	79 43
Poplar street .	Maple street .	Joy street .	Re-surfaced .	475	262 09
Richdale avenue .	Sycamore street .	School street .	Macadamized .	875	956 86
Sanborn avenue .	Walnut street .	Warren avenue .	Macadamized .	275	107 19
Somerville avenue .	Kent street .	Lowell street .	Re-surfaced .	600	676 29
Summer street .	School street .	Central street .	Macadamized .	1,365	393 85
Sycamore street .	Pembroke street .	Willoughby street .	Re-surfaced .	370	659 42
Tremont street .	Webster avenue .	Cambridge line .	Re-surfaced .	589	78 83
Tufts street .	Cross street .	Washington street .	Macadamized .	982	1,233 58
Vinal avenue .	Summer street .	Aldersey street .	Macadamized .	480	261 28
Walnut street .	Bow street .	Boston street .	Macadamized .	1,005	424 15
Washington street .	Union square .	Cambridge line .	Re-surfaced .	2,900	93 30
Length in feet and cost				31,131	\$17,036 94

TABLE C.

Sidewalks Constructed Where the Materials Were Furnished by the City and One-half the Cost Was Assessed
Upon the Abutting Estates.

STREET.	SIDE.	FROM	TO	FEET OF EDGE-STONES.	YARDS OF BRICKS.	COST.
Avon	Southwesterly	Central street	School street . . . . .	....	950.6	\$914 74
Bartlett	Both	Medford street	Broadway	1,449.4	....	1,287 97
*Beacon	Northeasterly	Ivaloo street	Near Kent street	387.4	....	346 71
Bowdoin	Both	Fremont avenue	Lincoln park	201.6	....	176 38
*Broadway	Northerly	Boston line	Cross street	2,120.8	....	2,308 93
Broadway	Southwesterly	Norwood avenue	Glenwood road . . . . .	....	219.1	221 67
Cameron avenue	Northwesterly	Holland street	Seven Pines avenue	1,010.8	....	861 21
Charles	Both	Washington street	Southerly end	307.5	....	237 66
*Cedar	Westerly	Hall street	Summer street	108.7	....	104 47
Chester	Northeasterly	Herbert street	Near Elm street	72.6	60.1	102 28
Chester avenue	Southerly	Medford street	Angle	194.5	....	188 49
Chester avenue	Northerly	Medford street	Angle	243.0	....	198 07
Dane	Southwesterly	Somerville avenue	Washington street	1,217.9	....	1,115 27
Eastman terrace	Both	Highland avenue	End of street	589.9	....	532 65
Elmwood	Both	Holland street	Cambridge line	2,040.2	....	1,617 87
Glendale avenue	Both	Yorktown street	Cameron avenue	850.1	....	625 44
Hall	Southwesterly	Cedar street	Cherry street	232.3	....	240 56
Hancock	{ Southeasterly	Highland avenue	Lexington avenue . . . . .	....	304.6	....
Holyoke road	{ Northwesterly	Highland avenue	Lexington avenue	382.3	....	625 45
Herbert	Both	Elm street	Elm street	1,374.0	....	1,135 93
Josephine avenue	Easterly	Chester street	Day street	319.0	....	256 77
Knowlton	Both	Morrison avenue	Broadway	3,269.1	....	2,947 72
Lowell	{ Easterly	Tufts street	N'y line estate No. 37	813.2	....	681 05
Lowell	{ Westerly	Tufts street	End of accepted portion . . . . .	....	102.3	96 88
Lowell	Southeasterly	Sidewalk previously laid	E'y line of Bing. School . . . . .	....	401.5	356 03
Lowell	Northwesterly	Highland avenue	Crown street . . . . .	....	....	....
Carried forward				17,184.3	2,038.2	\$17,180 20

* Where not already laid.

TABLE C.—Concluded.

STREET.	SIDE.	FROM	To	FEET OF EDGESTONES.	YARDS OF BRICKS.	COST.
Milton	Both	Orchard street	Brought forward	17,184.3	2,038.2	\$17,180 20
*Morton	Both	Glen street	Cambridge line . . . . .	....	290.3	242 83
Mortison avenue	Northeasterly	In front of	Knowlton street . . . . .	....	338.6	319 01
Poplar	Both	Somerville avenue	M. Perry Lowe School.	....	77.7	76 90
Richdale avenue	Northeasterly	School street	Joy street	629.3	....	566 95
St. James avenue	Northeasterly	Elm street	Sycamore street	719.2	....	655 71
Sycamore	{ Easterly	Richdale avenue	Summer street . . . . .	....	333.4	307 55
*Washington	{ Westerly	Pembroke street	Montrose street	607.9	....	530 47
*Washington	Southerly	Opp. Tufts street	Willoughby street	1,666.6	....	1,652 34
*Winter	Both	Union Square	Boston line.	2,775.1	....	2,590 32
*Wiglesworth	Both	College avenue	Cambridge line	506.9	....	386 27
	Both	Pearl street	Holland street	102.0	929.6	1,048 09
			Bonair street			
			Total	24,191.3	4,007.8	\$25,556 64

* Where not already laid.

TABLE D.

**Sidewalks Constructed Where the Bricks and Edgestones Were
Furnished by the Abutters.**

For	Street.	Yards of Bricks.	Cost to City.
Charles Evans	25-27 1-2 Boston street . .	47.5	\$23 83
Christopher T. Mc Grath . .	274 Washington street . .	55.3	27 20
D. P. Page and Katie M. Grimmons } . .	66-68, 70-72 Thurston st. .	74.7	19 50
	Total	177.5	\$70 53

TABLE E.

**Granolithic Sidewalk Laid (the Edgestones being already set), the
Abutters Paying the Excess above the Equivalent of One-half
the Cost of a Brick Sidewalk.**

For	Street.	Square Yards.	Cost to City.
Jane Cragin	771 Broadway	31.12	\$15 56
Harvey D. McGray . .	769 "	28.55	14 24
George S. Smith . . .	779 "	28.	14 00
Robert G. Whittier . .	95 Rogers avenue . .	20.20	10 10
	Total	107.87	\$53 90

TABLE F.
Gutters Paved in Connection with Setting Edgestones.

STREET.	Side.	From	To	Square Yards.	Cost.
Bartlett	Both	Medford street	Broadway	563.6	\$918 18
Beacon	Northerly	Ivaloo street	Kent street	129.1	240 26
Broadway	Northeasterly	Boston line	Cross street	706.9	1,813 39
Bowdoin	Both	Fremont avenue	Lincoln park	67.2	91 50
Cameron avenue	Northwesterly	Holland street	Seven Pines avenue	336.9	514 15
*Cedar	Westerly	Hall street	Summer street	36.2	106 11
Charles	Both	Washington street	Southerly end	85.4	82 88
*Chester	Northerly	Herbert	Day street	24.2	79 15
Chester avenue	Both	Medford street	Angle	99.0	264 90
Dane	Southeasterly	Somerville avenue	Washington street	405.9	793 81
Eastman terrace	Both	Holland street	Southerly end of street	229.4	420 75
Elmwood	Both	Highland street	Cambridge line	680.1	1,248 80
Glendale avenue	Both	Yorktown street	Cameron avenue	283.4	460 30
Hall	Southwesterly	Cedar street	Cherry street	64.5	193 30
Hancock	Northwesterly	Highland avenue	Lexington avenue	127.4	208 83
Herbert	Easterly	Chester street	Day street	106.3	189 45
Holyoke road	Both	Elm street	Elm street again	458.0	811 28
Josephine avenue	Both	Morrison avenue	Broadway	1,089.7	1,898 50
Knowlton	{ Easterly	Tufts street	N'rth'rly line est. No. 37 }	278.9	469 98
Poplar	{ Westerly	Tufts street	N'rth'rly line est. No. 32 }	140.3	354 25
Richdale avenue	Both	Somerville avenue	Joy street	239.7	440 98
Sycamore	Northeasterly	School street	Sycamore street	202.6	374 41
Washington	{ Easterly	Richdale avenue	Montrose street	555.5	1,577 00
*Washington	{ Westerly	Pembroke street	Willoughby street	925.0	1,756 84
Winter	Southerly	Opp. Tufts street	Boston line	140.8	597 05
Wigglesworth	Both	Union Square	Cambridge line	34.0	121 30
	Both	College avenue	Holland street		
	Northwesterly	Near McGregor Place	Bonair street		
			Total	8,010	\$16,027 35

* Concrete.

TABLE G.
Driveways Constructed at Expense of Abutters.

FOR.	LOCATION.
Samuel W. Armstrong . . . . .	. 76 Beacon street.
American Tube Works . . . . .	. . . . . Dane street.
Biller Brothers . . . . .	. 355 Lowell street.
J. Warren Bailey . . . . .	. 58 Dover street.
Eugene Carr . . . . .	. 18 Benton road.
E. Floyd DeWitt . . . . .	. 15 Day street.
Michael Gavin . . . . .	. 17 Poplar street.
Walter L. Holmes . . . . .	. 316 Beacon street.
J. E. McDonald . . . . .	. 192 Broadway.
Frank L. Morse, M. D. . . . .	. 78 Highland avenue.
Somerville Hospital . . . . .	. Crocker street.
Thomas W. Sutherland . . . . .	. 30 Tufts street.
Frank A. Teele . . . . .	. Day and Dover streets.
Hattie C. Wheat . . . . .	. 31 Cherry street.
Frederick A. Weeks . . . . .	. 14 Evergreen avenue.

TABLE H.
Driveways Discontinued at Expense of Abutters.

FOR.	LOCATION.
Joseph Gridley . . . . .	. 234 Highland avenue.
J. Walter Howard . . . . .	. 222 Broadway.
Isaac Sexton . . . . .	. 73 Berkeley street.

TABLE I.
Streets Accepted in 1904.

STREET.	WARD.	FROM	TO	WIDTH, FEET.	LENGTH, FEET.
Edmands st	4 {	Located anew and extended to	Bonair st.	40	86
Farragut ave.	7	Broadway	Proposed st.	40	905
Glendale ave.	7	Cameron ave.	Yorktown st.	40	410
Hawthorne st.	7	Willow ave.	Cutter ave.	30	807
Holyoke road	6	Elm st.	Elm st. again	40	637
Josephine ave.	6	Morrison ave.	Broadway	45	1,718
Malvern ave.	7	Cameron ave.	Yorktown st.	40	410
Milton st.	7	Orchard st.	Cambridge line	40	223
Moreland st.	5	Main st.	Meacham st.	40	691
Ossipee road	7	Packard ave.	Curtis st.	40	682
Pritchard ave.	6	Morrison ave.	Frederick ave.	40	511
Richardson st.	5	Lowell st.	Lawrence st.	35	467
Seven Pines ave.	7	Cameron ave.	Cambridge line	40	92
Veazie st.	4	Bradley st.	Marshall st.	40	261
Yorktown st.	7	Cambridge line	Malvern ave.	40	294
Length in feet					8,194

TABLE J.
Street Crossings Laid.
BRICK.

Beacon street, across same, at easterly side of Ivaloo street.
Broadway, across same, at westerly side of Marshall street.
Broadway, southerly side, across Marshall street.
Broadway, across same, opposite easterly side of Glenwood road, from railroad to terrace.
Dartmouth street, across same; at northerly side of Evergreen avenue.
Lowell street, across same, at northerly side of Wilton street.
Medford street, across same, at westerly side of Bartlett street.

GRANITE FLAGGING.

Broadway, across same, from estate No. 307 to railroad track.
Broadway, across same, from estate No. 335 to railroad track.
Flint street, northerly side, at Flint avenue.
Somerville avenue, across same, at southerly junction of Linwood street.
Tufts street, northerly side, across Knowlton street.
Washington street, across same, west side Franklin street, from railroad to old Asylum grounds.
Washington street, across same, from estate No. 80 to railroad track.
Washington street, across same, from estate No. 66 to railroad track.

CONCRETE.

Highland avenue, across same, at easterly side of Putnam street.
School street, westerly side, across end of Evergreen avenue.

Street Crossings Re-surfaced.

Broadway, southerly side, at Broadway place.
Pearl street, across same, at easterly side of Rush street.
Pearl street, across same, at westerly side of Rush street.
Pearl street, across same, at westerly side of Glen street.
Pearl street, across same, at easterly side of Glen street.
Pearl street, across same, at easterly side of Hillside avenue.
Pearl street, across same, at easterly side of Franklin street.
Pearl street, across same, at westerly side of Franklin street.
Richdale avenue, across same, at westerly side of Essex street.

Length of Accepted Streets in Each Ward.

											Miles.
Ward	1	.	.	.	.	.	.	.	.	.	9.155
"	2	.	.	.	.	.	.	.	.	.	7.615
"	3	.	.	.	.	.	.	.	.	.	7.086
"	4	.	.	.	.	.	.	.	.	.	8.951
"	5	.	.	.	.	.	.	.	.	.	10.386
"	6	.	.	.	.	.	.	.	.	.	11.386
"	7	.	.	.	.	.	.	.	.	.	14.715
											<hr/>
Total length of accepted streets in the city											69.294

Respectfully submitted,
ASA B. PRICHARD,
Street Commissioner.



FIRE STATION, UNION SQUARE.

REPORT OF COMMISSIONER OF PUBLIC BUILDINGS.

OFFICE OF COMMISSIONER OF PUBLIC BUILDINGS, }
CITY HALL, Somerville, January 1, 1905. }

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

Gentlemen,—I have the honor, as commissioner of public buildings, to submit the following report of this department for the year 1904.

Section 41, article third, of the city charter, relating to this department, is as follows: "The public buildings department. This department shall be under the control of the commissioner of public buildings, who shall have charge of the construction, alteration, repair, maintenance, and care of public buildings, and shall also be the inspector of buildings."

In addition to the regular work of this department during the year 1904, there have been several needed improvements made in some of the public buildings of the city. A description of this special work will be found fully outlined in this report. The inspection of private building construction, which has been made during the year, has been performed systematically, and, as a result, the various builders have carried on their work with very few violations of the building ordinances.

Inspection of Buildings.

There have been issued during the year 1904 permits for 303 new buildings and alterations. This number is sixty-six more than in 1903.

The total estimated cost of new buildings and alterations in 1904 was \$959,540, while the same in 1903 was \$635,259, showing an increase of \$324,281.

During the year 1904 there have been 1,043 inspections of private buildings in the course of construction. These have included the inspection of fire-stopping, chimneys, buildings damaged by fire, and foundations.

The following is a table showing the number of permits in each ward for buildings, etc., and the uses for which they were intended:—

Buildings.	WARDS.							Totals.
	1	2	3	4	5	6	7	
Dwellings	12	16	12	9	17	69	89	224
Dwellings and stores .	2	1	2	1	3	4	6	19
Stables	2	3	0	4	0	1	0	10
Miscellaneous	10	5	5	8	6	5	7	46
Brick buildings	0	1	0	0	1	1	1	4
Total	26	26	19	22	27	80	103	303

Inspection of Plumbing.

The number of plumbing permits issued during the year was .	332
Permits for plumbing in new buildings	161
Permits for plumbing in old buildings	171
Number of the buildings in which pipes were tested by water .	278
Number of master plumbers' licenses, 10 at \$2.00	\$20 00
Number of journeyman plumbers' licenses, 5 at \$.50	2 50
Number of master plumbers' licenses renewed, 32 at \$.50	16 00
Number of journeyman plumbers' licenses renewed, 24 at \$.50 . .	12 00
One application for journeyman plumber's license was rejected.	
Amount received in fees	\$50 50

English High School.

The large increase of pupils entering the English High school at the opening of the school year, and the addition of the new course in drawing, made it absolutely necessary to make extensive alterations in that building. The southwest corner room on the first floor was re-arranged and re-furnished for use as a drawing room, and the northerly classroom in the rear was divided into two classrooms, and put into condition for seating pupils. The total cost of these changes, including construction, new furniture, and re-arrangement of furniture, was \$967.17.

Bell and Burns School Buildings.

The Bell and Burns school buildings were thoroughly renovated during the summer, and are at the present time in excellent condition. A basement room at the Burns school was renovated to allow for its use as a ward room. The need for a suitable ward room in this building had existed for a long time, and the new arrangement is filling the requirements in an apparently acceptable manner to the citizens of ward six.

In both of these school buildings the change in classification has made it necessary to provide new school furniture and to re-locate, in some instances, the furniture already installed. The general renovation of these two buildings has been needed for a

long time, and the total amount of money expended for the work as described was \$1,540.

Engine House, Union Square.

During the year 1904, the new engine house located at the junction of Washington street, Prospect street, and Somerville avenue, and Union square, was completed and occupied by the fire department. The construction of the building was started in 1903, and the various contracts on the building were performed by the following:—

General contractor, Frederick C. Alexander, 227 Highland avenue.
Contractor for heating and ventilating, Chas. H. Sanborn, 50 Walnut st.
Contractor for plumbing, M. F. Naughton & Co., 486 Somerville avenue.
Foundation work, W. F. McCarthy, 27 Bonair street.
Brick, W. A. Sanborn, 472 Broadway.
Plastering, John J. Kennedy, 306 Somerville avenue.
Painting, J. F. Berton, 65-A Dover street.
Interior finish, J. Rush Green, 11 Cambria street.
Lumber, F. C. Ayer, 157 Highland avenue.
Hardware, W. E. Plumer & Co., Whitney & Snow, Union square.
Stable fittings, W. A. Snow, 17 Francesca avenue.
Special fire department fitting, Charles E. Berry, 234 Washington street.
Furniture, Jackson Caldwell, Clifford & Rogers, Union square.

This building is a three-door house, and accommodations are provided for three pieces of fire apparatus, nine horses, and ten permanent men.

On the first floor there are located the apparatus room, nine single stalls, and one box stall, harness room, toilet room, and the fuel wagon room. On the second floor is located a reading room, a recreation hall for games, etc., eight bedrooms, hay loft, bathroom, work room, drying room, and lockers.

The building is constructed of water-struck red brick, with granite and terra cotta trimmings. The interior finish is of ash and North Carolina pine. The walls of the apparatus room are faced with white Tiffany tile and light brick. The tower of the building has been adorned with an illuminated clock, which adds greatly to the appearance of the building at night, and is a great convenience to the people who pass through Union square both during the day and at night. The total cost of this building, including the land, was \$44,997.

New Dormitory, City Home.

The new dormitory for men at the city home has been constructed during the year, and is occupied at the present time.

The building is in size seventy feet long and twenty-six feet wide, two stories in height, and has a commodious basement. The first floor is divided into single rooms, which will be used for farm help and such men as it is necessary to isolate. The second floor is divided into two dormitories for the men, which

will accommodate about twenty beds. The basement is to be used for a laundry, day room, and smoking room. The heating arrangement for this dormitory is a temporary one, and I would recommend that during the year 1905 the heating plant in the annex to the Knapp school, which is not in use, be transferred to the city home and used to heat the entire set of buildings there. I feel sure that this plant, when installed, may be run more economically and with better results than the present system of furnaces there.

George O. Proctor School.

The drawings and specifications for this building were prepared by Aaron H. Gould, of Columbus avenue. The following architects were invited to submit competitive drawings:—

William A. Dykeman, Belmont street, Somerville.

Aaron H. Gould, Columbus avenue, Somerville.

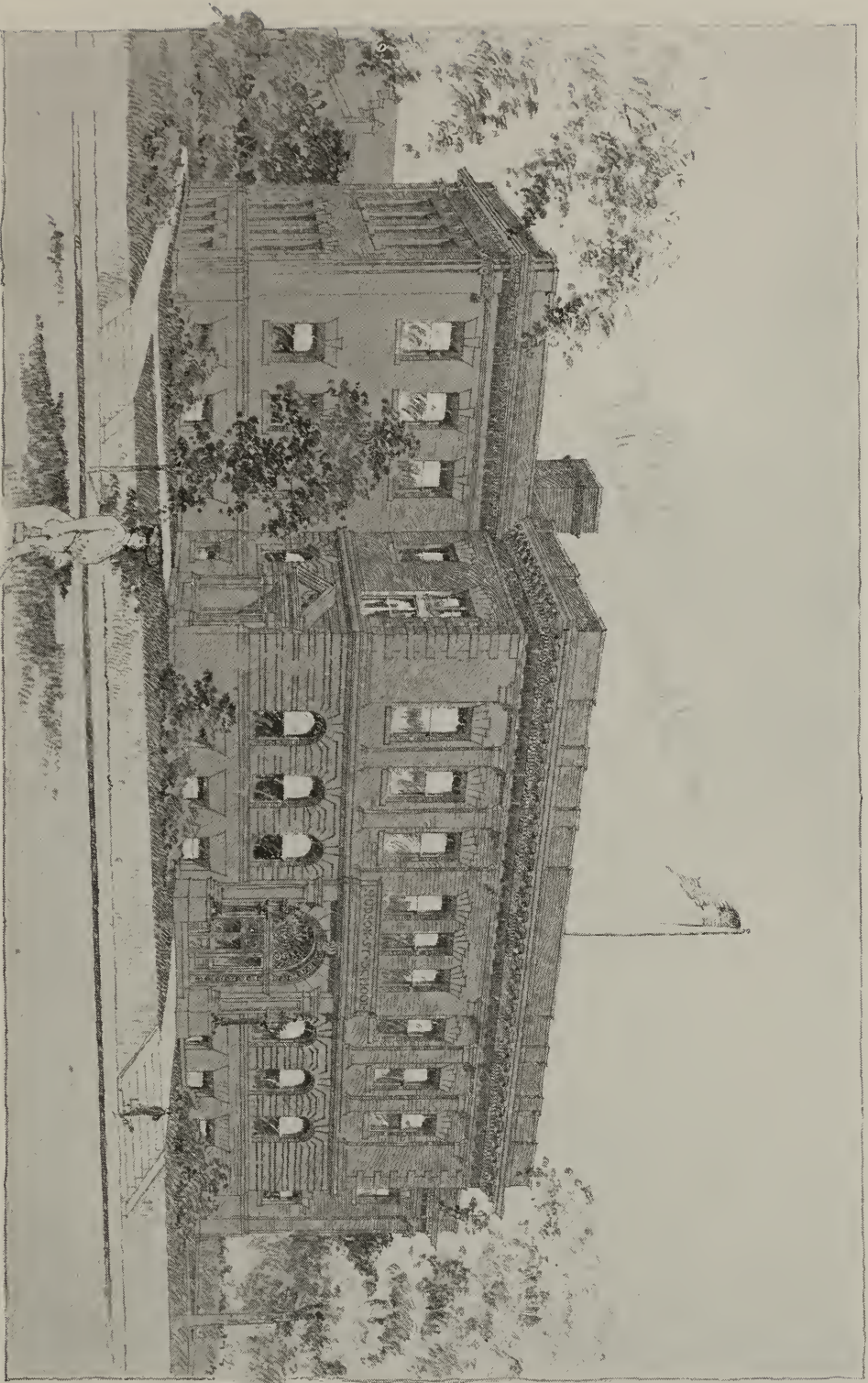
Prescott & Sidebottom, Devonshire street, Boston.

Loring & Phipps, Exchange building, Boston.

And after careful consideration and inspection of the same by the superintendent of schools and others interested in school matters, the commission was awarded to Mr. Gould. The plans and specifications call for an eight-room building, constructed of red water-struck brick, with granite composite and terra cotta trimmings. The construction was started in the early fall of 1904, and is progressing satisfactorily at the present time. The building will be ready for occupancy at the beginning of the fall term of this year. An appropriation of \$30,000 was made for this building, but the appropriation for the heating, plumbing, and furnishings has not as yet been made, and it will be necessary to provide the same early in the year. Estimates were received for the construction of the building as follows:—

Dodge Construction Co.	\$45,886 00
Penniman & McGuire	45,515 00
Stephen Brennan	39,853 00
Walsh Brothers	39,480 00
Mack & Moore	39,400 00
Dillon Brothers	38,773 00
F. C. Alexander	38,769 00
H. E. Lord	37,974 00
A. H. Hines	36,969 00
William I. Mabie	36,280 00
Louis Cadario	35,630 00
J. M. Andrews & Son	35,283 00
G. M. Davis & Son	35,160 00
William Crane	34,960 00
J. E. Locatelli	34,900 00

The lowest estimate being in excess of the amount available, it was decided to revise the plans and specifications, and this having been done, the four lowest bidders were invited to submit estimates according to the revised plans and specifications. These estimates were as follows:—



GEORGE O. PROCTOR SCHOOL.

G. M. Davis & Son	\$31,250 00
J. M. Andrews & Son	30,700 00
William Crane	30,421 00
J. E. Locatelli	29,490 00

The lowest bidder was J. E. Locatelli, of Somerville, and he was awarded the contract.

Public Buildings, Care and Repair.

The appropriation for the care and repair of the public buildings has proved inadequate for their proper maintenance during the year 1904.

The larger part of this work being impossible in term time, it was executed during the summer. In addition to this work, the usual monthly requirements were attended to. The amount of money estimated at the beginning of the year as being sufficient for this work, although carefully figured, must at times be insufficient, since it is impossible to predict what emergencies may arise during the year. To the building department is entrusted the care of forty-three buildings. The following table may prove interesting, showing, as it does, some of the various items of property which it is necessary to continually keep in repair, and which are contained in the public buildings of the city:—

Steam boilers	44
Furnaces	32
Classrooms (schools)	261
Sets of school furniture	12,000
Teachers' desks	295
Visitors' chairs	590
Electric motors	2
Motor generators	1
Sanitary systems	43

During the past year the boiler inspectors have given orders for repairs on the steam boilers of the school buildings, which caused an expenditure of \$3,318.06. This work was imperative, in order that the heating plants may be safe and secure. The amount estimated at the beginning of the year for the work was \$1,395.

There has been expended for fuel in the school buildings during the year \$15,427.89. The amount estimated at the beginning of the year was \$15,000. The amount expended for janitor service in the school buildings was \$22,033.62. The amount appropriated was \$20,380.

At the beginning of the fall term in 1904, it was necessary to open new schoolrooms in the Bingham, Carr, Bennett, Hodgkins, Knapp, and English High schools, and to make changes in the Highland, Forster, Bell, Edgerly, Morse, Burns, and English High schools. These additional rooms and the changes in classification were not anticipated at the beginning of the year, and the cost of providing furniture and making changes for the same

was not provided for in the appropriation, and in order to take care of the children in these buildings, it was absolutely necessary to execute this work. The amount required to carry out these changes was \$2,756.22. The amount estimated for such purpose was \$592.

The maintenance of the plumbing work in the school buildings is an item which cannot be estimated accurately in advance, and this year the cost of such work has amounted to \$1,624.87. The estimated cost at the beginning of the year was \$280.

The amount spent in general repairs, which includes carpenter work, glass breakage, varnishing, roofing, blackboards, fences; care of grounds, concreting, mason work, and general repairing, was \$7,566.10. The amount estimated at the beginning of the year was \$5,598.57.

This mass of work has been handled by the department as efficiently as possible, and the buildings inspected as often as possible. A new system of requisition blanks has been established, in order that the commissioner may be sure that the minor repairs are really necessary. By this system each requisition must come from the principal of the school and be approved by the superintendent of schools before consideration is given to the same by the public buildings department.

In view of the work still to be done on the old school buildings and the rapidly-increasing number of new ones, requiring yearly repairs, for good maintenance, a large appropriation for repairs should be asked for the year 1905. The department has, however, in its recommendation for the yearly appropriation, cut, by \$5,000, its recommendation for the same purpose for the year 1904, and this notwithstanding a large overdraw for the year 1904. The increased use of the schools in the evening means not only a material increase of expenditure to equip, but also greatly increases the wear and tear, and makes a steady addition to the amount needed for repairs.

In the latter part of the report may be found tables showing how the repairs, etc., were distributed in the various schools.

Fire Escapes.

At various times during the year the matter of fire escapes has been agitated, but as yet nothing definite has been accomplished. An appropriation of \$1,500 has been made, however, for the construction of a fire escape to be erected at the Bell school. The commissioner has given this matter a good deal of careful thought, and has reached the following conclusion, viz., that an outside iron stairway makes a poor exit for a crowd of frightened school children. The only practical emergency exit is a fireproof stairway or run, broad and safe, enclosed in a fireproof wall, and approached from the various schoolrooms in as direct a manner as possible. The following suggestions are made as practical safeguards in the school buildings, viz.: fire-

proofing basement around heating apparatus; fireproof openings leading from floor to floor; a complete alarm equipment, and an equipment for extinguishing fire. With these safeguards and the present well-conducted fire drills in the schools, it seems to the commissioner almost impossible that the life of a child should be in the least endangered on account of any fire which might occur.

Schedule of Expenditures, Public Buildings.

BAXTER SCHOOL.

Janitor	\$600 00	
Fuel	180 15	
Light, gas	26 60	
Repairs	259 70	
Supplies	12 26	
	<hr/>	\$1,078 71

BELL SCHOOL.

Janitor	\$1,087 92	
Fuel	294 49	
Light, electric	17 25	
Light, gas	175 50	
Repairs	938 92	
Supplies	148 01	
Telephone	17 95	
	<hr/>	2,680 04

BENNETT SCHOOL.

Janitor	\$889 92	
Fuel	546 48	
Light, gas	42 00	
Repairs	603 24	
Supplies	259 21	
	<hr/>	2,340 85

BINGHAM SCHOOL.

Janitor	\$850 00	
Fuel	682 68	
Light, gas	1 30	
Repairs	1,804 51	
Supplies	764 10	
Telephone	17 03	
Assessments	93 04	
	<hr/>	4,212 66

BROWN SCHOOL.

Janitor	\$600 00	
Fuel	572 18	
Light, gas	24 80	
Repairs	228 15	
Supplies	41 88	
	<hr/>	1,467 01

BURNS SCHOOL.

Janitor	\$600 00	
Fuel	304 11	
Light, gas	45 00	
Repairs	835 72	
Supplies	232 76	
	<hr/>	\$2,017 59

CARR SCHOOL.

Janitor	\$1,200 00	
Fuel	840 44	
Light, gas	25 10	
Repairs	426 74	
Supplies	132 85	
Telephone	17 13	
	<hr/>	2,642 26

CUMMINGS SCHOOL.

Janitor	\$379 92	
Fuel	252 75	
Repairs	485 30	
Supplies	112 10	
	<hr/>	1,230 07

DAVIS SCHOOL.

Janitor	\$480 00	
Fuel	306 04	
Light, gas	59 00	
Repairs	834 37	
Supplies	122 92	
	<hr/>	1,802 33

DURELL SCHOOL.

Janitor	\$569 00	
Fuel	121 50	
Repairs	86 49	
Supplies	93 30	
	<hr/>	870 29

EDGERLY SCHOOL.

Janitor	\$867 16	
Fuel	437 10	
Light, gas	55 20	
Repairs	639 33	
Supplies	104 46	
Telephone	17 04	
	<hr/>	2,120 29

FORSTER SCHOOL.

Janitors	\$1,863 00	
Fuel	1,601 25	
Light, electric	38 10	
Light, gas	296 30	
Repairs	482 84	
Supplies	168 62	
Telephone	17 85	
	<hr/>	4,467 96

GLINES SCHOOL.

Janitor	\$949 92
Fuel	140 43
Light, electric	260 52
Light, gas	30 20
Repairs	331 94
Supplies	158 14
Telephone	15 95

 \$1,887 10

HANSCOM SCHOOL.

Janitor	\$600 00
Fuel	189 88
Light, gas	9 90
Repairs	193 04
Supplies	19 11

 1,011 93

ENGLISH HIGH SCHOOL.

Janitor	\$1,308 00
Light, electric	157 32
Light, gas	88 40
Repairs	1,667 79
Supplies	473 30
Telephone	29 21

 3,724 02

LATIN HIGH SCHOOL.

Janitor	\$2,111 16
Fuel	1,648 50
Light, gas	66 70
Repairs	803 35
Supplies	396 04
Telephone	2 63

 5,028 38

HIGHLAND SCHOOL.

Janitor	\$907 92
Fuel	1,622 00
Light, gas	92 20
Repairs	311 74
Supplies	205 74
Telephone	12 30

 3,151 90

HODGKINS SCHOOL.

Janitor	\$889 92
Fuel	872 02
Light, gas	33 10
Repairs	731 76
Supplies	193 09
Telephone	17 67

 2,737 56

KNAPP SCHOOL.

Janitor	\$889 92
Fuel	442 33
Light, gas	93 50
Repairs	599 36
Supplies	169 70
Telephone	16 90

 \$2,211 71
LINCOLN SCHOOL.

Janitor	\$490 10
Fuel	117 31
Repairs	204 73
Supplies	92 98
Insurance	50 00

 955 12
LOWE SCHOOL.

Janitor	\$600 00
Fuel	613 32
Light, gas	89 00
Repairs	888 33
Supplies	336 48

 2,527 13
MORSE SCHOOL.

Janitor	\$891 92
Fuel	1,153 11
Light, gas	13 40
Repairs	639 83
Supplies	161 83
Telephone	17 06

 2,877 15
PERRY SCHOOL.

Janitor	\$625 00
Fuel	577 94
Light, gas	11 70
Repairs	112 79
Supplies	14 41

 1,341 84
POPE SCHOOL.

Janitor	\$889 92
Fuel	1,258 15
Light, gas	56 60
Repairs	409 55
Supplies	43 50
Telephone	16 78

 2,674 50

PRESCOTT SCHOOL.

Janitor	\$868 92
Fuel	653 73
Light, gas	173 60
Repairs	644 43
Supplies	139 16
Telephone	16 25
	<hr/>

\$2,496 09

PROSPECT HILL SCHOOL.

Janitor	\$24 00
Repairs	13 50
Supplies	12 33
	<hr/>

49 83

CENTRAL FIRE STATION.

Fuel	\$543 40
Light, electric	173 25
Light, gas	83 10
Repairs	891 70
Supplies	253 74
	<hr/>

\$1,945 19

STEAMER NUMBER TWO.

Fuel	\$280 71
Light, electric	41 25
Light, gas	26 40
Repairs	397 56
Supplies	37 66
	<hr/>

783 58

STEAMER NUMBER FOUR.

Fuel	\$205 63
Light, electric	42 30
Light, gas	4 30
Repairs	76 05
Supplies	29 02
	<hr/>

357 30

HOSE NUMBER TWO.

Fuel	\$255 01
Light, electric	19 73
Light, gas	28 70
Repairs	824 66
Supplies	17 28
	<hr/>

1,145 38

HOSE NUMBER THREE.

Fuel	\$169 65
Light, electric	38 10
Light, gas	23 10
Repairs	33 36
Supplies	21 46
	<hr/>

285 67

HOSE NUMBER FIVE.

Fuel	\$98 65	
Light, electric	72 83	
Light, gas	1 20	
Repairs	430 56	
Supplies	115 29	
	<hr/>	\$718 53

HOSE NUMBER SIX.

Fuel	\$209 40	
Light, electric	43 13	
Light, gas	5 44	
Repairs	202 87	
Supplies	110 23	
	<hr/>	571 07

HOSE NUMBER SEVEN.

Fuel	\$257 29	
Light, electric	15 46	
Light, gas	7 80	
Repairs	282 92	
Supplies	58 22	
	<hr/>	621 69

CITY HALL.

Janitor	\$1,712 12	
Fuel	318 11	
Light, electric	212 64	
Light, gas	5 82	
Repairs	1,010 52	
Supplies	344 74	
	<hr/>	3,603 95

CITY HALL ANNEX.

Janitor	\$420 00	
Fuel	246 44	
Light, electric	10 20	
Repairs	187 31	
Supplies	11 09	
	<hr/>	875 04

PUBLIC LIBRARY.

Janitor	\$1,037 06	
Fuel	612 83	
Light, electric	613 80	
Light, gas	41 60	
Repairs	151 59	
Supplies	65 01	
	<hr/>	2,521 89

POLICE STATION.

Janitor	\$1,210 46
Fuel	562 28
Light, electric	62 11
Light, gas	437 30
Repairs	1,829 89
Supplies	111 07
	<hr/>

\$4,213 11

HEALTH DEPARTMENT.

Fuel	\$70 25
Light, electric	46 95
Repairs	206 25
Supplies	151 36
	<hr/>

474 81

HIGHWAYS DEPARTMENT.

Fuel	\$21 61
Light, electric	22 35
Light, gas	24 55
Repairs	357 41
Supplies	89 28
	<hr/>

515 20

PUBLIC GROUNDS.

Fuel	\$19 40
Repairs	149 24
Supplies	23 58
	<hr/>

192 22

SEWER DEPARTMENT.

Fuel	\$6 60
Repairs	81 52
	<hr/>

88 12

SUPPORT OF POOR.

Fuel	\$338 65
Light, electric	69 99
Light, gas	30 10
Repairs	468 96
Supplies	74 99
Insurance and assessments	107 12
	<hr/>

1,089 81

WATER DEPARTMENT.

Fuel	\$177 01
Light, electric	37 05
Supplies	11 50
	<hr/>

225 56

Conclusion.

This brief review of the work which has been accomplished during the year 1904 will, I trust, convey some idea as to the work of the department of public buildings. In some respects I feel that I have fallen short in my duty, owing to the utter impossibility of accomplishing everything needed in the line of improvement of existing conditions in the public buildings. The various items of work which have been neglected, however, are those which could be best postponed to some future date, when a sufficient appropriation will be available.

I desire to express my appreciation of the valuable help and advice which I have received from all the members of the board of aldermen, in connection with my work of caring for the public buildings of the city.

I cannot close without a grateful acknowledgment to his honor, the mayor, for his support of everything which has helped to make the department efficient, and for the benefit of his sound and wise advice.

Respectfully submitted,

WALTER T. LITTLEFIELD,

Commissioner of Public Buildings.

REPORT OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS.

OFFICE OF COMMISSIONER OF ELECTRIC LINES AND LIGHTS, }
CITY HALL, January 1, 1905.

To His Honor, the Mayor, and Board of Aldermen:—

Gentlemen,—I herewith submit my ninth annual report, for the year ending December 31, 1904.

Electrical Department.

The two most important branches of this department consist of the fire alarm and police signal systems. They have received the usual careful attention during the year.

Under this department also comes the inspection of all buildings equipped with electric light service, also all poles and wires in the city streets.

During the year 162 buildings have been inspected for electric light service, and permits issued for attachments of wires for same. Also 309 poles have been replaced by new ones, divided as follows: Somerville Electric Light Company, 69; Edison Electric Illuminating Company, 226; New England Telephone and Telegraph Company, 14.

Fire Alarm.

Four new fire alarm boxes have been added during the year, located as follows: box 123, corner of Pearl and Cross streets; box 323, Sycamore street, corner of Montrose street; box 433, Highland avenue, opposite Spring-hill terrace; box 444, Holland street, corner of Cameron avenue; making a total of 106 boxes.

There have been no large fires during the year, as all alarms have been given promptly and correctly, and the fire department was thus enabled to respond quickly.

During the summer the automatic steam whistle in East Somerville was disconnected, but was again placed in operation in the fall, so that the residents of that section might hear the no-school signal. The boxes are being changed from four-round to two-round boxes, which will reduce the number of blows on the whistle to a great extent.

The new fire station in Union square has been completely equipped with all the latest electrical appliances, under the direct supervision of this department. Fire alarm gongs, indicators, electric lighting for night alarms, horse-pulls, and still alarm signal, all of the latest and best workmanship, have been installed.

The equipment of this department consists of the following: 106 signal boxes, one eight-circuit repeater, one eighteen-circuit fuse board, eight tower strikers, thirty-three gongs, eight indicators, twenty small tappers, forty open circuit tappers, one automatic steam whistle, 392 cells storage battery, and 130 miles of wire.

Five miles of new wire have been added, and a large portion of the old has been replaced by new, making in all fourteen miles of new wire which have been placed in service.

I would recommend that some portion of the fire alarm and police signal wires be placed underground during the coming year, and most earnestly recommend the placing of high tension wires underground. Every year the number of these dangerous wires increases, and the menace to the safety of the electrical workmen, firemen, and the public is far greater.

During the year this department has been called upon to answer seventy-six emergency calls to pick up wires reported as dangerous.

Nearly a thousand lights were placed in service on the Prospect-hill tower during the Grand Army encampment, the work being done by this department.

Police Signal.

This department has received its usual careful attention, and is in good working order. During the coming year some of the circuits should be re-built with special wire, to guard against the induction received from the high tension wires, which is increased every year from additional high tension wires, and which renders the telephone service imperfect to a great extent.

I would also recommend that two more boxes be added during the coming year, to render the service more efficient.

Street Lights.

Six new arc lights and thirty new incandescent lights have been placed in service during the year, making a total of 491 arc lights and 483 incandescent lights.

Several new lights will be needed during the coming year in the new territory in the western part of the city.

At the present time the lighting service is as good as and much better than many of the surrounding cities.

ELECTRICAL DEPARTMENT.

CREDIT.

Appropriation	\$7,250 00	
Receipts:—		
Edison Electric Illuminating Co., wire and labor	183 00	
J. J. McCarthy, wire	14 02	
Thomas Groom & Co., refund	3 00	
	<hr/>	
Total credit		\$7,450 02

DEBIT.

Expenditures:—		
Salaries	\$5,369 88	
Wires, insulators, etc.	1,436 13	
Wagon repairs	65 40	
Harnesses and repairing same	31 30	
Fire alarm boxes	250 00	
Board of horses	300 00	
New horse	200 00	
Incidentals	342 75	
	<hr/>	
Total debit		\$7,995 46
		<hr/>
Amount overdrawn		\$545 44
		<hr/>

STREET LIGHTS.

CREDIT.

Appropriation	\$65,000 00
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DEBIT.

Expenditures:—		
Electric lighting	\$64,709 04	
Welsbach lighting	144 00	
Changing location of poles and lights	6 00	
Incidentals	26 00	
	<hr/>	
Total debit		\$64,885 04
		<hr/>
Balance unexpended		\$114 96
		<hr/>

Respectfully submitted,
EDWARD BACKUS,
Commissioner of Electric Lines and Lights.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX CO., MASSACHUSETTS.

Area of city, including land and water, about 4.22 square miles.

Population, estimated, 71,000.

Entire population on line of pipe and supplied with water.

Water works owned by City of Somerville.

Construction commenced in 1868.

Source of supply : Metropolitan system, taking water of the
Nashua river at Clinton, Mass.

Mayor

HON. LEONARD B. CHANDLER.

Water Commissioner

FRANK E. MERRILL.

Office of the Water Department,

Room 10, City Hall.

Department Buildings and Yard,

Cedar street, near Broadway.

REPORT OF THE WATER COMMISSIONER.

OFFICE OF THE WATER COMMISSIONER, }
February 1, 1905. }

To His Honor, the Mayor, and the Board of Aldermen:—

I present herewith my report for the year ending December 31, 1904, this being the thirty-first annual report made by the water department:—

Water Income.

Water bills have been issued as follows:—

"Annual" water charges, amounting to	\$157,019 00
"Additional" water charges, amounting to	5,536 41
"Metered" water charges, amounting to	60,750 81
	<hr/>
Abatements made on the above charges	\$223,306 22
	7,278 88
	<hr/>
Leaving net amount of bills rendered	\$216,027 34
The account has credit for the amount received from the commonwealth of Massachusetts, distribution of entrance fees, water supplied outside of district, and water furnished water companies, 1904, under sec- tion 3, chapter 488, Acts 1895	820 31
	<hr/>
Total amount credited to Water Income account	\$216,847 65

The water income was used under appropriation orders of the board of aldermen as follows:—

For water works purposes:—

Water works maintenance	\$25,429 35
Water works extension	19,282 13
Refunds	982 91
Interest on water loan bonds	4,850 00
Maturing water loan bonds	15,000 00
Metropolitan water works assessment	86,736 93
	<hr/>
	\$152,281 32

For other municipal purposes:—

Sewers, maintenance	\$11,800 00
Interest on sewer loan bonds	7,705 00
Maturing sewer loan bonds	11,000 00
Fire department	34,061 33
	<hr/>
	64,566 33
	<hr/>
	\$216,847 65

In addition to the appropriations from water income to other municipal purposes enumerated above, water has been furnished

without charge to all the city departments that have required its use. The value of this water, based on the charges of the year 1899, is about \$12,000.

Department Receipts and Disbursements.

WATER MAINTENANCE ACCOUNT.

	Dr.	Cr.
Amount appropriated by board of aldermen from water income		\$25,717 87
Sundry receipts for labor and materials sold,		3,316 94
Receipts from other sources		244 00
Amount expended for labor and materials for maintenance of the water works and renewals of pipe	\$25,665 40	
Miscellaneous accounts	3,324 89	
Unexpended balance of appropriation	288 52	
	<hr/>	<hr/>
	\$29,278 81	\$29,278 81

WATER WORKS EXTENSION ACCOUNT.

	Dr.	Cr.
Amount appropriated by board of aldermen from water income		\$19,282 13
Receipts from 201 water service assessments,		3,537 40
Sundry receipts for materials sold		162 95
Labor and materials used in extension of the water works	\$22,819 53	
Miscellaneous accounts	162 95	
	<hr/>	<hr/>
	\$22,982 48	\$22,982 48

Cost of Water Works.

The total cost of the water works on December 31, 1903, as represented by the expenditures from appropriations for water works extension, was	\$815,887 42
Expended during the year 1904, on extension account	22,819 53
	<hr/>
Total expenditures, December 31, 1904	\$838,706 95

Water Debt.

Water loan bonds have been issued on funded debt account to the amount of \$1,017,000; this has been reduced by payments amounting to \$909,000, leaving the water debt on December 31, 1904, \$108,000.

The outstanding bonds mature as follows:—

YEAR.	AMOUNT.	YEAR.	AMOUNT.
1905	\$6,000	1913	\$6,000
1906	16,000	1914	6,000
1907	17,000	1915	5,000
1908	7,000	1916	5,000
1909	6,000	1917	5,000
1910	6,000	1918	5,000
1911	6,000	1919	4,000
1912	6,000	1920	2,000

Extension of Street Mains.

The water distribution system of the city has been extended 5,826 feet by the construction of new mains in Bay State avenue, Boston avenue, Evergreen square, Hillside circle, Ibbetson street, Lincoln parkway, North street, Ossipee road, Pearson avenue, Powder-house boulevard, Russell road, and Yorktown street, and various branches, hydrant and blow-off connections, as shown in the accompanying table. The total water pipe mileage of the city is now about eighty-nine miles, 2,807 feet.

Renewals.

On account of the paving of Bow and Summer streets, from Union square to School street, all the water service pipes within those limits were replaced by new ones, and substantial brick chambers were built around the main gates. Two fire hydrants on Summer street were removed to suitable locations on side streets. Eighty-two feet of cement hydrant branches have been replaced with iron pipe. The sixteen-inch pipe in Mansfield street, laid in 1893, which has given much trouble, again burst on November 19, a piece of the pipe about ten feet long and averaging eighteen inches wide being blown completely out.

Hydrants, Gates, etc.

The fire hydrant system has been extended by the addition of thirteen new hydrants, making the total number now in the city 986. Two private fire hydrants connected with the city's mains have been set by M. W. Carr & Co. in their factory yard, making the number of private fire hydrants in the city forty-seven. Twenty-four water gates have been added to the system, making the total number in service 1,343. Three blow-offs have been constructed, the number connected with the pipe system being now 135. The street watering department called for three new waterposts, and they were set as follows: Bolton street, opposite the schoolhouse; Lowell street, opposite Crown street; Shawmut street, near Shawmut place. The post formerly on Webster avenue, near Tremont street, was injured by a team,

and was reset on Tremont street; the post on Adams street, near Broadway, was moved to Bartlett street on account of a new building. There are now seventy-two waterposts in the city. The hydrants, gates, and all other fixtures connected with the works have been renewed, repaired, packed, oiled, etc., as found necessary.

Water Services.

Two hundred and one service pipes were laid during the year, an increase of fifty-seven over the previous year; the length of service pipe laid was 7,606 feet, and the assessments therefor amounted to \$3,537.40. There is in the city approximately seventy miles, 3,705 feet of service pipe and 11,059 house connections. One hundred and eighty-nine leaks on service pipes have been repaired.

Water Meters.

The policy has been pursued of metering all new houses and of placing meters on all apartment houses of more than three tenements. Meters have also been set, whenever practicable, on all houses where application has been made therefor by the property owners.

A bill was passed by the last legislature which changed the basis of assessing the state water tax so that, under its provisions, the apportionment is hereafter to be based one-third on the valuation of the city and two-thirds on the consumption of water. It is, therefore, of importance to restrict the waste of water as much as possible, and this can be accomplished in no better or more effective way than by the use of meters.

A large portion of the meters installed during the year were set on single and two-family houses upon application of the owner, and in most cases the revenue therefrom was less than would have been received under the "annual" rate. A considerable number has been set in the larger apartment and tenement houses, which are to commence operation on January 1, 1905; in many houses of this class, where the "annual" rates are disproportionately low, and where large wastes of water are allowed, it is thought that the charges may run in excess of the former rates. One beneficent result of the installation of meters thus far has been the detection, on the part of property owners, of many causes of waste of water and the application of the proper remedy therefor, and several flagrant cases of water waste have been stopped by setting a meter on the premises.

As is natural in a transition period of this kind, when the rate-payers are changing from a system which has given them no concern in regard to the use and waste of water to one which requires them to adopt reasonable precautions against water waste, blame and abuse are at times placed upon the meter, in-

stead of upon the defective plumbing, which is really at the bottom of the trouble. It has been the policy of this department, upon receipt of a complaint of an unusually large metered water bill, to arrange with the rate-payer to have the meter tested, and the result is uniformly that, if the meter is found to register at all outside the allowed limit of accuracy, it is in favor of the consumer, and not of the city. It is well for those having water meters to understand that a large quantity of water can be wasted through a small orifice, and that defective faucets and water-closet ball-cocks are the most prolific sources of this trouble. It is very easy to discover if the fixtures are out of order; by simply placing the ear upon a faucet or pipe, the sound made by escaping water can be distinctly heard. Another great cause of waste of water is letting the water run during the cold weather to prevent its freezing; this has been a simpler and cheaper method for the landlord to follow than to properly protect the pipes and fixtures, but it is believed that the installation of a meter on such premises will lead to better conditions in the house plumbing and a more rational method of preventing this trouble than by the waste of a valuable and costly commodity. As a result of experiments, the quantity of water that might be wasted through defective plumbing, under fifty pounds pressure, and its cost to the rate-payer has been found to be as follows:—

Size of Stream.	Waste Per Day.	Cost Per Month.
1-2 inch	45,600 gals.	\$226.18
1-4 "	12,360 "	61.30
1-8 "	3,360 "	16.67
1-16 "	900 "	4.46
1-32 "	240 "	1.19
1-64 "	70 "	.35

A hole one-thirty-second of an inch in diameter is so small that an ordinary pin will completely fill it, yet in three months it will waste a quantity of water, if running constantly, that under our rate costs \$3.57. It is impossible for a water meter to operate unless the water passes through it; the flow of the water causes the piston to move and the meter to register. The registration of a water meter is generally very close to accuracy, but it is considered sufficiently correct if there is a variation not greater than two per cent.

The rate for metered water was reduced January 1, 1904, to twelve cents per 100 cubic feet, or sixteen cents per 1,000 gallons, and this city is now enjoying the lowest rate of any in the metropolitan district.

Metropolitan Water.

The annual assessments paid by this city as its proportionate part of the cost and operation of the metropolitan water works are given below:—

Year.	Sinking Fund.	Maintenance.	Interest.	Total.
1898	No division made			\$14,250 19
1899	" " "			20,975 58
1900	" " "			28,689 24
1901	\$12,491 73	\$12,033 79	\$32,291 24	56,816 76
1902	19,014 85	12,955 64	30,427 40	62,397 89
1903	15,748 56	12,763 10	48,776 77	77,288 43
1904	16,404 42	15,393 87	54,938 64	86,736 93
				<hr/> \$347,155 02

There has been credited to the city by the commonwealth as its proportion of the amounts received from entrance fees, water supplied outside the district, and water furnished to water companies the sum of \$7,446.15.

The daily consumption of water in Somerville, as recorded by the Venturi meters, operated by the metropolitan water and sewerage board, is shown below by months for the year 1904:—

Month.	Gallons.	Month.	Gallons.
January	7,834,500	July	6,058,300
February	8,175,300	August	5,796,700
March	6,456,500	September	5,741,300
April	5,606,200	October	5,226,000
May	5,757,800	November	5,234,600
June	5,838,500	December	7,042,000

The total consumption for the year is 2,279,637,000 gallons, making an average daily consumption of 6,228,000 gallons.

The following table shows the daily per capita consumption of water in the cities and towns in the metropolitan water district for the year 1904, as registered by the state's meters:—

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	For the Year
Boston	170	174	154	134	136	133	135	135	137	130	131	151	143
Somerville	113	118	93	80	82	83	86	82	81	74	73	99	89
Malden	50	50	46	42	47	49	48	49	45	40	40	43	46
Chelsea	169	177	138	100	98	93	95	95	92	85	88	127	113
Everett	115	119	98	89	84	83	84	77	77	76	78	94	89
Quincy	100	102	103	95	95	104	113	109	109	98	92	97	101
Medford	86	90	79	72	77	86	91	86	85	76	75	75	81
Melrose	109	115	113	99	100	106	110	109	107	99	99	102	106
Revere	84	89	69	60	64	68	73	72	64	56	54	66	68
Watertown	52	53	50	47	53	62	64	57	60	55	55	57	55
Arlington	80	83	67	65	74	81	95	78	77	62	61	68	74
Milton	37	40	39	34	44	48	50	47	49	36	34	32	41
Winthrop	107	110	97	88	86	96	111	112	101	81	75	85	96
Stoneham	84	89	85	81	84	88	91	90	96	99	78	79	87
Belmont	77	128	68	56	70	87	102	104	93	76	70	71	84
Swampscott	46	45	42	43	50	58	70	56	57	42	41	40	49
Lexington	56	66	70	69	76	88	95	92	92	82	73	77	78
Nahant	80	47	32	29	37	58	72	72	74	42	43	36	52
Total	146	150	132	114	116	115	118	117	117	110	110	128	

The quantity of water passed through these meters during the year was 55,627,950 cubic feet, or 416,097,066 gallons; the amount received therefor was \$60,750.81. This gives an average of about 10.92 cents per 100 cubic feet, or about 14.56 cents per 1,000 gallons.

Summary of Pipes and Fixtures.

Following is a general summary of the pipes and fixtures of the water system, December 31, 1904:—

Feet of main pipe (approximately)	472,727
Feet of service pipe (approximately)	373,305
Service connections (approximately)	11,059
Public fire hydrants	986
Private fire hydrants	47
Gates	1,343
Check valves	7
Meters	1,262
Waterposts	72
Blow-offs	135
Drinking fountains and troughs	11

Inventory.

The annual inventory of stock on hand, tools and machinery, teams and stable equipment, pumping apparatus, and furniture, shows a valuation of \$23,946.28; the land and buildings of the department are valued at \$32,100, and the distribution system of the water works has an estimated valuation of \$865,000.

Appendix.

Further details of the department work during the year, locations of fire hydrants and other water works fixtures, are shown in the tables that follow.

Respectfully,

FRANK E. MERRILL,
Water Commissioner.

Locations of New Mains Laid, Length and Size, Number of Gates, Hydrants, Etc., Set in 1904.

NAME OF STREET.	DESCRIPTION OF WORK.	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		WATER POSTS.
		Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.	
Abdell st.	Street main and hydrant on Somerville ave., from main in Somerville ave. to southerly side of Somerville ave.	6"	61	6"	1	Holyoke	1			1
Bay State ave.	Street main; from 12' S. from S. line of Broadway to point 346' S. from S. line of Broadway	8"	334							
Bolton st.	Waterpost	2"	20	2"	1					
Boston ave.	Street main; from main in Morrison ave. to point 137' N. from N. line of Morrison ave.	8"	153	8"	1					
Carr's lane	From main in Elmwood st. easterly 204' to yard of M. W. Carr & Co.	6"	198	6"	1					
Clifton st.	Street main; from main in Morrison ave. to point 12' S. from S. line of Morrison ave.	6"	35	6"	1					
Dresden circle	Blow-off	2"	7	4"	1			2"	1	
Elmwood st.	Street main; from point 90' S. from S. line of Harrison st. to point 119' S. from S. line of Harrison st.	8"	29	4"	1					
Evergreen sq.	Street main; from main in Porter st. easterly	{ 4"	31							
Frederick ave.	Street main; from main in Highland road easterly 24' from east line of Highland road	{ 2"	140							
Giles place	Blow-off	10"	47	10"	1	Holyoke				
Glendale ave.	Hydrant	2"	14	2"	1			2"	1	
Hillside circle	Street main; from main in Craigie st. westerly 128' from west line of Craigie st.	{ 4"	16	4"	1					
Holyoke road	Hydrant	{ 2"	127			Holyoke	1			
Ibbetson st.	Street main; from end of old pipe to point 108' west from Lowell st.	6"	10	6"						
Josephine ave.	Hydrants	2"	144	2"		{ Mathews Holyoke Mathews	1 1 2			
Lincoln parkway	Street main; from main at Joseph st. westerly 402' from west line of Joseph st.	6"	17	6"	1					
Lowell st.	Waterpost	2"	437	2"	1					1
Morrison ave.	Gate; on east line of Morrison place	6"	7	6"	1					
Mystic ave.	Hydrant	{ 12"	807	12"	1	Holyoke	1			
North st.	Street main; from end of old pipe 21' N. from Broadway to connection with pipe at Raymond ave.	{ 6"	23	6"	1	Holyoke	1	4"	1	
		{ 4"	10	4"	1					
	Carried forward		2,756		15		9		3	2

LOCATIONS OF NEW MAINS LAID, LENGTH AND SIZE, NUMBER OF GATES, HYDRANTS, ETC., SET IN 1904.—Concluded.

NAME OF STREET.	DESCRIPTION OF WORK.	PIPE LAID.		GATES SET.		HYDRANTS SET.		BLOW-OFFS.		WATER POSTS.
		Size.	No. Feet.	Size.	No.	Kind.	No.	Size.	No.	
	Brought forward		2,756		15		9		3	2
Ossipee road	Street main; from main in Packard ave. to main in Curtis st.	6"	741		2					
Pearson ave.	Street main; from end of old pipe 253' N. from Morrison ave to connection with Boston ave.	6"	1,065		2	Mathews	1			
Powder House boul'v'rd (north side)	Street main; from end of pipe 203' W. from Curtis st., westerly	12"	270							
Powder House boul'v'rd (south side)	Street main; from end of old pipe 54' west from Curtis st., westerly	{ 10"	481			Holyoke	1			
Russell road	Street main; from main in Broadway to point 352' N. from N. line of Broadway Gate; on west line Warren ave.	{ 6"	6		1	Mathews	1			
Sanborn ave.	Street main; from main in Packard ave. to point 12' west from west line of Packard ave.	{ 8"	402		1					
Sawyer ave.	Waterpost	{ 6"	7							
Shawmut st.	Gate; on east line of Quincy st.	12"	64		1					1
Somerville ave.	Street main; from end of old pipe 122' N. from N. line of Warwick place, northerly	2"	7		1					
Warwick place	Street main; from main at Malvern ave. to point 71' N. from N. line of Malvern ave.	{ 6"	20		1	B. M.	1			
Yorktown st.		{ 6"	7							
	Total . . .		5,826		24		13		3	3

WATER DEPARTMENT.

Location and Length of Pipes Relaid, Gates and Hydrants Reset, 1904.

NAME OF STREET.	DESCRIPTION OF WORK.	PIPE LAID.		GATES.				HYDRANTS.		
		Aband.	Relaid.	No. feet.	Aband. Size.	No.	Reset. Size.	Aband. Kind.	No.	Reset. Kind.
Bartlett st.	Waterpost removal from Adams st.	2"	2"	15	2"	1	2"	1	1	Holyoke
Broadway	Hydrant branch renewal	4"	6"	62						
Buckingham st.	Hydrant renewal									
Clifton st.	Pipe renewal; from main in Morrison ave. to north line Morrison ave.	6"	6"	10				Bigelow	1	Holyoke
Elm st.	Hydrant renewal	6"	6"	6				P. & C.	1	Mathews
Elm st.	Hydrant renewal	6"	6"	3				Holyoke	1	Mathews
Farragut ave.	Hydrant renewal	6"	6"	2				Mathews	1	Holyoke
Iving st.	Hydrant renewal	6"	6"	8				Chapman	1	Mathews
Morrison ave.	Pipe renewal; connection with Clifton st.	6"	6"	10				Holyoke	1	Mathews
Perkins st.	Hydrant renewal	6"	6"	12						
Perkins st.	Hydrant branch renewal	6"	6"	20				Mathews	1	Mathews
Putnam st.	Hydrant renewal — hydrant removed from Summer st.	6"	6"	8						
Temont st.	Waterpost removal from Webster ave.	2"	2"	18	2"	1	2"	1	1	
Vinal ave.	Hydrant renewal — hydrant removed from Summer st.	6"	6"	5				Holyoke	1	Mathews
Total				179		2	2		8	8

Hydrants — Construction Account.

New hydrants have been set in the following locations:—

Glendale avenue, 80 feet west from Cameron avenue, 6-inch Holyoke.
 Holyoke road, 185 feet south from Elm street, west entrance, 6-inch Holyoke.
 Josephine avenue, 129 feet north from Frederick avenue, 6-inch Mathews.
 Josephine avenue, 425 feet north from Frederick avenue, 6-inch Holyoke.
 Lincoln parkway, 150 feet west from Joseph street, 6-inch Mathews.
 Lincoln parkway, 290 feet east from Wyatt street, 6-inch Mathews.
 Mystic avenue, 25 feet east from Melrose street, 6-inch Holyoke.
 North street, 13 feet north from south line of Russell road, 6-inch Holyoke.
 Pearson avenue, 309 feet north from Morrison avenue, 6-inch Mathews.
 Powder House boulevard, south side, 528 feet west from Curtis street, 6-inch Holyoke.
 Russell road, 11 feet north from Broadway, 6-inch Mathews.
 Somerville avenue, 2 feet west from Abdell street, 6-inch Holyoke.
 Warwick place, 142 feet north from Warwick street, 4-inch Boston Machine.

Hydrants—Renewal Account.

The following changes have been made in the kind and location of hydrants:—

Buckingham street, 6-inch Holyoke hydrant, set 2 feet south from Dimick street, and 4-inch Bigelow hydrant removed from same location.
 Elm street, 6-inch Mathews hydrant, set 30 feet west from Russell street, and 6-inch Pratt & Cady hydrant removed from 25 feet west from Russell street.
 Elm street, 6-inch Mathews hydrant, set 9 feet west from Cedar street, and 6-inch Holyoke hydrant removed from same location.
 Farragut avenue, 6-inch Holyoke hydrant, set 258 feet south from Broadway, and 6-inch Mathews hydrant removed from same location.
 Irving street, 6-inch Mathews hydrant, set 6 feet south from Broadway, and 6-inch Chapman hydrant removed from same location.
 Perkins street, 6-inch Mathews hydrant, set opposite Myrtle street, and 6-inch Holyoke hydrant removed from same location.
 Putnam street, 6-inch Mathews hydrant, set 46 feet north from Summer street, and 6-inch Mathews hydrant removed from Summer street, opposite Putnam street.
 Vinal avenue, 6-inch Mathews hydrant, set 15 feet north from Summer street, and 6-inch Holyoke hydrant removed from Summer street, 6 feet west from Vinal avenue.

Hydrants — Recapitulation.

Number of public hydrants set in 1904	.	.	.	.	.	21
" " private	"	"	"	"	"	2
Total number of hydrants set in 1904	.	.	.	.	.	23
Number of hydrants removed in 1904	.	.	.	.	.	8
Net increase in number of public hydrants, 1904	.	.	.	.	.	13
" " private	"	"	"	"	"	2
Total net increase in number of hydrants, 1904	.	.	.	.	.	15
Total number of public hydrants in the city	.	.	.	.	.	986
" " private hydrants	.	.	.	.	.	47
Total number of all hydrants in the city December 31, 1904.						1,033

Locations of Hydrants.

Adams street, 11 feet south from Broadway.
 Adams street, 221 feet south from Broadway.
 Adams street, 266 feet north from Medford street.
 Adams street, 10 feet north from Medford street.
 Adrian street, 93 feet east from Marion street.
 Adrian street, 220 feet south from Joseph street.
 Allen street, 9 feet north from Charlestown street.
 Allen street, 45 feet west from Somerville avenue.
 Allen street, 323 feet west from Somerville avenue.
 Albion street, 396 feet west from Central street.
 Albion street, 15 feet west from Centre street.
 Albion street, 217 feet east from Lowell street.
 Albion street, 7 feet west from 110 Albion street.
 Albion street, 444 feet east from Cedar street.
 Aldersey street, 276 feet west from Walnut street.
 Alpine street, 280 feet east from Cedar street.
 Alpine street, 76 feet west from Princeton street.
 Alpine street, 298 feet west from Lowell street.
 Alston street, 212 feet east from Cross street.
 Alston street, 10 feet west from Shawmut place.
 Ames street, 123 feet west from Central street.
 Appleton street, 3 feet east from Clifton street.
 Appleton street, 41 feet west from Willow avenue.
 Arlington street, 36 feet east from Hathorn street.
 Arthur street, 29 feet south from Broadway.
 Ash avenue, 300 feet north from Meacham street.
 Ashland street, 268 feet south from Summer street.
 Auburn avenue, 239 feet west from Cross street.
 Auburn avenue, 481 feet west from Cross street.
 Austin street, 81 feet south from Mystic avenue.
 Austin street, 66 feet north from Benedict street.
 Austin street, 2 feet north from Broadway.
 Avon street, 233 feet east from Central street.
 Avon street, 572 feet west from School street.
 Avon street, 270 feet west from School street.
 Banks street, 310 feet south from Summer street.
 Bartlett street (Ward 1), 130 feet south from Washington street.
 Bartlett street (Ward 5), 230 feet south from Broadway.
 Bartlett street (Ward 5), 223 feet north from Medford street.
 Bartlett street (Ward 5), 15 feet south from Ames street.
 Bartlett street (Ward 5), 10 feet south from Robinson street.
 Beacon street, 316 feet west from Greenwood terrace.
 Beacon street, 10 feet east from Stanford terrace.
 Beacon street, 46 feet west from Sacramento street.
 Beacon street, south side Beacon street, 40 feet east from Sacramento street.
 Beacon street, south side Beacon street, 2 feet west from Beckwith circle.
 Beacon street, 15 feet west from Kent street.
 Beacon street, 4 feet west from Ivaloo street.
 Beacon street, 68 feet east from Park street.
 Beacon street, 18 feet east from Durham street.
 Beacon street, 26 feet east from Washington street.
 Beacon street, 90 feet east from Calvin street.
 Beacon street, 194 feet east from Calvin street.
 Beacon street, 28 feet west from Buckingham street.
 Beacon street, 208 feet east from Buckingham street.
 Beacon street, 6 feet east from Concord avenue.
 Beech street, 4 feet south from Atherton street.
 Beech street, 31 feet east from Spring street.
 Belmont street, 206 feet north from Spring Hill terrace.

Belmont street, 241 feet north from Summer street.
Belmont street, 243 feet south from Summer street.
Belmont street, 10 feet north from Belmont place.
Belmont street, 222 feet south from Belmont place.
Belmont street, 185 feet north from Somerville avenue.
Benedict street, 33 feet east from Mystic street.
Bennett street, 166 feet east from Prospect street.
Benton road, 2 feet north from Cambria street.
Benton road, 28 feet south from Highland avenue.
Berkeley street, 8 feet east from Central street.
Berkeley street, 150 feet east from Hersey street.
Berkeley street, 28 feet west from School street.
Berkeley street, 212 feet west from Hersey street.
Billingham street, 126 feet north from William street.
Bolton street, 203 feet north from Houghton street.
Bolton street, 3 feet south from Oak street.
Bonair street, 26 feet west from Cross street.
Bonair street, 90 feet east from Autumn street.
Bonair street, 121 feet east from Arthur street.
Bonair street, 67 feet east from Dana street.
Bonair street, opposite Melvin street.
Bonair street, 117 feet east from Walnut street.
Bond street, 63 feet south from Jaques street.
Bonner avenue, 171 feet north from Washington street.
Boston avenue, 110 feet south from bridge over Mystic river.
Boston avenue, 492 feet north from Gove street.
Boston avenue, 65 feet north from Highland road.
Boston street, 11 feet west from Prospect Hill avenue.
Boston street, 207 feet west from Bigelow street.
Boston street, 87 feet east from Bigelow street.
Boston street, 6 feet north from Munroe street.
Bow street, 102 feet north from Warren avenue.
Bow street, 23 feet west from Wesley park.
Bow street, 25 feet east from Bow-street place.
Bow street, 74 feet north from Walnut street.
Bow-street place, 193 feet west from Bow street.
Bowdoin street, 65 feet north from Fremont avenue.
Bradley street, 26 feet south from Veazie street.
Brastow avenue, 202 feet east from Porter street.
Brastow avenue, 115 feet west from Lowell street.
Broadway, 50 feet east from Mt. Pleasant street.
Broadway, 20 feet west from George street.
Broadway, 21 feet west from Broadway place.
Broadway, 83 feet east from Cutter street.
Broadway, 7 feet east from Glen street.
Broadway, 21 feet east from Rush street.
Broadway, 15 feet west from Cross street.
Broadway, 7 feet west from Autumn street.
Broadway, 6 feet west from Montgomery avenue.
Broadway, 33 feet west from Walnut street.
Broadway, 4 feet east from Sargent avenue.
Broadway, 3 feet west from Melvin street.
Broadway, 157 feet west from Grant street.
Broadway, 117 feet east from Marshall street.
Broadway, 62 feet west from Marshall street.
Broadway, 4 feet west from School street.
Broadway, 10 feet west from Thurston street.
Broadway, 209 feet east from Central street.
Broadway, 104 feet west from Norwood avenue.
Broadway, 288 feet east from Cedar street.
Broadway, opposite Cedar street.
Broadway, 5 feet east from Wilson avenue.

Broadway, 252 feet west from Wilson avenue.
Broadway, 115 feet west from Rogers avenue.
Broadway, 236 feet west from Liberty avenue.
Broadway, 175 feet west from College avenue.
Broadway, 6 feet west from Billingham street.
Broadway, 9 feet west from Packard avenue.
Broadway, 32 feet east from Westminster street.
Broadway, 237 feet east from Endicott avenue.
Broadway, 6 feet west from Endicott avenue.
Broadway, 9 feet west from Garrison avenue.
Broadway, 330 feet west from Waterhouse street.
Broadway park, near the pond.
Brook street, 18 feet west from Rush street.
Browning road, 302 feet west from Sycamore street.
Browning road, 136 feet east from Central street.
Buckingham street, 2 feet south from Dimick street.
Burnside avenue, 259 feet north from Elm street.
Burnside avenue, 120 feet south from Summer street.
Calvin street, 186 feet south from Beacon street.
Cambria street, 131 feet west from Central street.
Cameron avenue, 166 feet south from Holland street.
Cameron avenue, opposite Mead street.
Cameron avenue, 26 feet south from Glendale avenue.
Campbell park, 258 feet west from Meacham road.
Cedar street, 226 feet south from Sartwell avenue.
Cedar street, 98 feet north from Sartwell avenue.
Cedar street, 61 feet north from Hall street.
Cedar street, 22 feet south from Highland avenue.
Cedar street, 12 feet north from Highland avenue.
Cedar street, 10 feet north from Albion street.
Cedar street, 124 feet south from Warwick street.
Cedar street, 50 feet north from Clyde street.
Cedar street, 24 feet south from Murdock street.
Cedar street, 270 feet south from Broadway.
Central street, 50 feet south from Broadway.
Central street, 6 feet north from Forster street.
Central street, 5 feet north from Pembroke street.
Central street, 187 feet south from Vernon street.
Central street, 9 feet north from Willoughby street.
Central street, 92 feet north from Highland avenue.
Central street, 9 feet south from Highland avenue.
Central street, 6 feet north from Oxford street.
Central street, 23 feet south from Avon street.
Central street, 14 feet south from Summer street.
Chandler street, 16 feet south from Broadway.
Chandler street, 206 feet north from Park avenue.
Chapel street, 14 feet east from Chandler street.
Charles street, 183 feet south from Washington street.
Charnwood road, 79 feet west from Hancock street.
Cherry street, 7 feet south from Sartwell avenue.
Cherry street, 254 feet north from Sartwell avenue.
Cherry street, 252 feet north from Summer street.
Cherry street, 26 feet south from Highland avenue.
Chester street, 15 feet north from Chester place.
Chestnut street, 480 feet south from Poplar street.
Chestnut street, 246 feet south from Poplar street.
Church street, 9 feet south from Summer street.
Church street, 300 feet south from Summer street.
Church street, 16 feet south from Somerville avenue.
Church street, 29 feet north from Somerville avenue.
Church street, 12 feet north from Lake street.

Claremon street, 255 feet south from Holland street.
Clarendon avenue, 253 feet south from Broadway.
Clarendon avenue, opposite house No. 66.
Clarendon avenue, near Cambridge line.
Clark street, 200 feet west from Newton street.
Clark street, 412 feet west from Newton street.
Cleveland street, 192 feet west from Central street.
Clyde street, 250 feet east from Cedar street.
Clyde street, opposite Murdock street.
Columbia street, 3 feet south from Beach avenue.
Columbia street, 8 feet south from Columbia court.
College avenue, 12 feet north from Winter street.
College avenue, 6 feet south from Morrison avenue.
College avenue, 8 feet south from Hall avenue.
College avenue, 53 feet west from Francesca avenue.
College avenue, opposite Kenwood street.
College avenue, 100 feet west from Broadway.
College avenue, 405 feet north from Broadway.
College avenue, 720 feet north from Broadway.
Columbus avenue, 7 feet north from Washington street.
Columbus avenue, 150 feet east from Bonner avenue.
Columbus avenue, 118 feet west from Bonner avenue.
Columbus avenue, 35 feet west from Stone avenue.
Columbus avenue, 8 feet east from Walnut street.
Concord avenue, 154 feet west from Prospect street.
Concord avenue, 76 feet east from Concord square.
Concord avenue, on east line of Knapp school.
Concord avenue, 313 feet east from Springfield street.
Concord avenue, 24 feet east from Springfield street.
Concord avenue, 7 feet east from Marion street.
Concord avenue, 6 feet south from Hammond street.
Concord avenue, 20 feet east from Wyatt street.
Conwell avenue, 20 feet west from Curtis street.
Conwell avenue, 460 feet west from Curtis street.
Conwell street, 6 feet south from Highland avenue.
Conwell street, 3 feet north from Francis street.
Cooney street, 98 feet north from Line street.
Cottage avenue, 206 feet west from Russell street.
Craigie street, 216 feet south from Summer street.
Craigie street, 232 feet north from Kimball street.
Craigie street, 77 feet south from Kimball street.
Craigie street, 126 feet north from Somerville avenue.
Crescent street, 80 feet south from Hadley place.
Crocker street, 4 feet south from Highland avenue.
Crocker street, 8 feet north from Crown street.
Cross street, 6 feet north from Pearl street.
Cross street, 32 feet north from Cross-street place.
Cross street, 62 feet north from Flint street.
Cross street, 16 feet north from Gilman street.
Cross street, 13 feet south from Auburn avenue.
Cross street, 39 feet north from Alston street.
Curtis avenue, 206 feet west from Curtis street.
Curtis street, 6 feet north from Broadway.
Curtis street, 3 feet south from Electric avenue.
Curtis street, 137 feet north from Ware street.
Curtis street, 3 feet south from Raymond avenue.
Curtis street, 34 feet south from Professors row.
Curtis street, 225 feet north from Professors row.
Cutter avenue, 11 feet south from Highland avenue.
Cutter square, 95 feet west from Cutter avenue.
Cutter street, 95 feet south from Broadway.

Cutter street, 444 feet south from Broadway.
Dane avenue, 162 feet west from Leland street.
Dane avenue, 169 feet east from Dane street.
Dane street, 9 feet north from Tyler street.
Dane street, 260 feet south from Skehan street.
Dane street, 55 feet north from Skehan street.
Dartmouth street, 184 feet south from Broadway.
Dartmouth street, 200 feet north from Evergreen avenue.
Dartmouth street, 53 feet south from Evergreen avenue.
Dartmouth street, 171 feet north from Medford street.
Davis square, 45 feet east from Day street.
Day street, 10 feet south from Davis square.
Day street, opposite Herbert street.
Day street, 195 feet south from Herbert street.
Day street, 4 feet north from Orchard street.
Dell street, 255 feet west from Glen street.
Delaware street, 246 feet east from Aldrich street.
Derby street, 400 feet east from Temple street.
Dickinson street, 20 feet east from Beacon street.
Dickinson street, 7 feet north from Leon street.
Dover street, 22 feet south from Davis square.
Dover street, 203 feet south from Davis square.
Dover street, 312 feet north from Orchard street.
Dover street, 3 feet north from Orchard street.
Durham street, opposite Skehan street.
Durham street, 5 feet west from Hanson street.
Earle street, 4 feet east from Ward street.
Eastman place, 279 feet south from Highland avenue.
Edmands street, 15 feet south from Broadway.
Ellsworth street, 7 feet west from Rush street.
Elm street, 59 feet west from Craigie street.
Elm street, 17 feet west from Porter street.
Elm street, 28 feet east from Linden avenue.
Elm street, 11 feet east from Mossland street.
Elm street, 9 feet west from Cedar street.
Elm street, 153 feet east from Cherry street.
Elm street, 110 feet west from Cherry street.
Elm street, 14 feet east from Burnside avenue.
Elm street, 104 feet east from Willow avenue.
Elm street, 20 feet east from St. James avenue.
Elm street, 9 feet west from Elston street.
Elm street, 90 feet west from Windom street.
Elm street, 30 feet west from Russell street.
Elm street, 11 feet west from Grove street.
Elm street, 82 feet west from Chester street.
Elmwood street, 9 feet south from Holland street.
Elmwood street, 300 feet east from Harrison street.
Elmwood street, 85 feet west from Harrison street.
Eliot street, 3 feet east from Park street.
Endicott avenue, 422 feet south from Broadway.
Evergreen avenue, 8 feet east from School street.
Evergreen avenue, 114 feet east from Sycamore street.
Everett avenue, 5 feet west from Cross street.
Everett avenue, 9 feet east from Dana street.
Everett avenue, 449 feet west from Cross street.
Everett street, opposite Emerson street.
Fairlee street, 134 feet west from Cherry street.
Fairmount avenue, 280 feet west from Curtis street.
Fairmount avenue, opposite Watson street.
Farm lane, 70 feet north from Sumner street.
Farm lane, 67 feet south from Roberts street.

Farragut avenue, 258 feet south from Broadway.
Farragut avenue, 537 feet south from Broadway.
Fellsway East, 7 feet north from Broadway.
Fellsway West, 11 feet north from Broadway.
Fellsway West, 437 feet south from Mystic avenue.
Fenwick street, 40 feet north from Broadway.
Fiske avenue, 120 feet east from Hinckley street.
Fitchburg street, 395 feet east from Linwood street.
Flint street, 18 feet east from Flint avenue.
Flint street, 59 feet east from Cross street.
Flint street, 30 feet west from Franklin street.
Florence street, 206 feet south from Perkins street.
Florence street, 7 feet south from Pearl street.
Florence street, 453 feet north from Washington street.
Forster street, opposite Tennyson street.
Fosket street, 6 feet west from Bay State avenue.
Francesca avenue, 305 feet east from College avenue.
Francesca avenue, 7 feet west from Liberty avenue.
Franklin street, 14 feet north from Arlington street.
Franklin street, 55 feet north from Perkins street.
Franklin street, 76 feet south from Webster street.
Franklin street, 156 feet south from Pearl street.
Franklin street, 80 feet south from Oliver street.
Franklin street, 87 feet south from Palmer avenue.
Franklin street, 29 feet north from Washington street.
Fremont street, 82 feet north from Main street.
Fremont street, 343 feet north from Main street.
Fremont street, opposite Meacham street.
Fremont street, 287 feet north from Meacham street.
Fremont street, 25 feet north from East Albion street.
Frost avenue, 75 feet east from Sherman street.
Fountain avenue, 280 feet west from Glen street.
Garden court, 357 feet south from Somerville avenue.
Garfield avenue, 7 feet north from Broadway.
Garfield avenue, 24 feet south from Mystic avenue.
Garrison avenue, 235 feet south from Broadway.
Gibbens street, 202 feet west from Central street.
Gibbens street, 129 feet west from Benton road.
Gilman square, opposite Marshall street.
Gilman street, 103 feet east from Walnut street.
Gilman street, 143 feet east from Jasper street.
Gilman street, 8 feet west from Aldrich street.
Gilman street, 176 feet east from Aldrich street.
Gilman street, 295 feet west from Cross street.
Glass-house court, 360 feet west from Water street.
Glen street, 147 feet south from Broadway.
Glen street, 8 feet north from Brook street.
Glen street, 6 feet north from Webster street.
Glen street, 1 foot north from Flint street.
Glen street, 11 feet north from Fountain avenue.
Glendale avenue, 80 feet west from Cameron avenue.
Glendale avenue, 8 feet east from Yorktown street.
Glenwood road, 224 feet south from Broadway.
Glenwood road, 16 feet north from Vernon street.
Glenwood road, 320 feet north from Vernon street.
Glenwood road, 467 feet north from Vernon street.
Gorham street, 310 feet south from Holland street.
Gorham street, 67 feet north from Howard street.
Grand View avenue, 286 feet east from Vinal avenue.
Granite street, 178 feet north from Somerville avenue.
Grant street, 2 feet north from Derby street.
Greene street, 295 feet south from Summer street.
Greenville street, 148 feet north from Boston street.

Greenville street, 33 feet north from Munroe street.
Grove street, 163 feet south from Highland avenue.
Hall avenue, 310 feet east from College avenue.
Hall avenue, 306 feet west from Liberty avenue.
Hall avenue, 9 feet west from Liberty avenue.
Hall street, 269 feet west from Cedar street.
Hamlet street, 321 feet south from Highland avenue.
Hammond street, 30 feet west from Dickinson street.
Hancock street, 258 feet south from Summer street.
Hanson street, 12 feet south from Village street.
Hanson street, 9 feet south from Nevada avenue.
Hanson street, 6 feet south from Skehan street.
Harvard street, 13 feet north from Beech street.
Harvard street, 23 feet north from Harvard place.
Harrison street, 77 feet east from Kent street.
Harrison street (Ward 7), 4 feet east from Elmwood street.
Hathorn street, 145 feet south from Broadway.
Hawkins street, 50 feet north from Lake street.
Hawthorne street, 8 feet east from Cutter avenue.
Hawthorne street, 209 feet east from West street.
Heath street, 3 feet west from Temple street.
Heath street, 308 feet west from West street.
Heath street, 100 feet west from Bond street.
Heath street, 4 feet east from Fenwick street.
Heath street, 5 feet east from Moreland street.
Henderson street, 107 feet north from Wilton street.
Herbert street, 163 feet west from Chester street.
Highland avenue, 28 feet west from Hamlet street.
Highland avenue, 5 feet east from Walnut street.
Highland avenue, 262 feet west from Walnut street.
Highland avenue, 80 feet east from Vinal avenue.
Highland avenue, 41 feet west from Putnam street.
Highland avenue, 75 feet west from Prescott street.
Highland avenue, 114 feet west from School street.
Highland avenue, 410 feet west from School street.
Highland avenue, 112 feet west from Trull lane.
Highland avenue, 171 feet east from Central street.
Highland avenue, 214 feet east from Spring Hill terrace.
Highland avenue, 23 feet west from Spring Hill terrace.
Highland avenue, 20 feet west from Belmont street.
Highland avenue, 4 feet east from Tower street.
Highland avenue, 2 feet east from Porter street.
Highland avenue, 212 feet east from Cedar street.
Highland avenue, 63 feet east from Cherry street.
Highland avenue, 35 feet east from Hancock street.
Highland avenue, 4 feet west from Hancock street.
Highland avenue, 44 feet east from Willow avenue.
Highland avenue, 3 feet west from Willow avenue.
Highland avenue, 59 feet east from West street.
Highland avenue, 36 feet west from West street.
Highland avenue, 36 feet east from Grove street.
Highland avenue, 6 feet west from Grove street.
Highland avenue, 218 feet west from Grove street.
Highland avenue, 64 feet east from Davis square.
Highland road, 264 feet north from Morrison avenue.
Hinckley street, 106 feet south from Broadway.
Holland street, 39 feet west from Dover street.
Holland street, 8 feet west from B. & M. R. R. crossing.
Holland street, 23 feet south from Winter street.
Holland street, 5 feet east from Jay street.
Holland street, 3 feet east from Paulina street.
Holland street, 94 feet east from Claremon street.

Holyoke road (E.), 167 feet south from Elm street.
Holyoke road (W.), 185 feet south from Elm street.
Homer square, 200 feet west from Bonner avenue.
Houghton street, 82 feet west from Prospect street.
Houghton street, 3 feet west from Bolton street.
Houghton street, 10 feet west from Oak street.
Howard street, 36 feet west from Thorndike street.
Howe street, 162 feet east from School street.
Hudson street, 12 feet east from Waldo street.
Hudson street, opposite Benton road.
Hudson street, 294 feet east from Lowell street.
Hudson street, 362 feet west from Lowell street.
Hudson street, 675 feet west from Lowell street.
Hudson street, 364 feet east from Cedar street.
Hudson street, 24 feet east from Cedar street.
Ibbetson street, 256 feet north from Somerville avenue.
Ibbetson street, 6 feet south from Kimball street.
Irving street, 6 feet south from Broadway.
Irving street, 285 feet south from Broadway.
Irving street, 542 feet north from Holland street.
Irving street, 190 feet north from Holland street.
James street, 100 feet north from Pearl street.
Jaques street, 10 feet west from Fellsway West.
Jaques street, 8 feet west from Grant street.
Jaques street, 360 feet east from Temple street.
Jaques street, 185 feet west from Temple street.
Jaques street, 410 feet east from Bond street.
Jasper street, 5 feet south from Virginia street.
Jay street, 82 feet north from Howard street.
Joseph street, 100 feet west from Adrian street.
Josephine avenue, 397 feet north from Morrison avenue.
Josephine avenue, 90 feet south from Frederick avenue.
Josephine avenue, 129 feet north from Frederick avenue.
Josephine avenue, 425 feet north from Frederick avenue.
Josephine avenue, 213 feet south from Broadway.
Joy street, 34 feet south from Washington street.
Joy street, 502 feet south from Washington street.
Joy street, 271 feet north from Poplar street.
Kensington avenue, 6 feet north from Broadway.
Kent court, 205 feet west from Kent street.
Kent street, 38 feet south from Somerville avenue.
Kidder avenue, 346 feet east from College avenue.
Kingman court, 282 feet south from Washington street.
Kingston street, 95 feet west from Thorndike street.
Knowlton street, opposite Morton street.
Lake street, 220 feet west from Hawkins street.
Lake street, 4 feet east from Carlton street.
Laurel street, 50 feet north from Greene street.
Laurel street, 8 feet north from Park place.
Lawrence street, 9 feet south from Richardson street.
Leland street, 14 feet south from Dane avenue.
Lexington avenue, 3 feet west from Hancock street.
Lexington avenue, 4 feet east of Henry avenue.
Liberty avenue, 3 feet north from Kidder avenue.
Liberty avenue, 12 feet north from Mallett street.
Lincoln avenue, 206 feet west from Mt. Vernon street.
Lincoln parkway, 150 feet west from Joseph street.
Lincoln parkway, 290 feet east from Wyatt street.
Lincoln street, 38 feet south from Broadway.
Lincoln street, 174 feet north from Perkins street.
Linden street, 31 feet north from Charlestown street.
Linden street, 237 feet south from Somerville avenue.

Linden avenue, 118 feet south from Gilson terrace.
Linden avenue, 255 feet south from Olive avenue.
Linden avenue, 30 feet north from Olive avenue.
Line street, 272 feet west from Cooney street.
Line street, 100 feet west from Smith avenue.
Linwood street, 385 feet south from Washington street.
Linwood street, 12 feet north from Linwood terrace.
Linwood street, 48 feet south from Lamson court.
Linwood street, 125 feet north from London street.
Linwood street, 52 feet south from London street.
Linwood street, 2 feet south from Linwood place.
London street, 383 feet east from Linwood street.
Loring street, 276 feet north from Somerville avenue.
Lovell street, 41 feet south from Electric avenue.
Lowell street, 1 foot north from Fiske avenue.
Lowell street, 50 feet north from Richardson street.
Lowell street, 183 feet south from Richardson street.
Lowell street, 124 feet south from Wilton street.
Lowell street, opposite Vernon street.
Lowell street, 3 feet south from Princeton street.
Lowell street, 163 feet south from Highland avenue.
Lowell street, 53 feet north from Crown street.
Lowell street, 351 feet south from Summer street.
Lowell street, 16 feet north from Kimball street.
Madison street, 103 feet west from School street.
Madison street, 467 feet west from School street.
Main street, junction with Broadway.
Main street, 112 feet west from Mt. Vernon avenue.
Main street, west corner of Moreland street.
Malloy court, 16 feet south from Somerville avenue.
Mansfield street, 190 feet north from Somerville avenue.
Mansfield street, 189 feet south from Washington street.
Maple avenue, 294 feet east from School street.
Maple street, 7 feet south from Jackson street.
Maple street, 87 feet north from Poplar street.
Marion street, 31 feet south from Adrian street.
Marion street, 74 feet north from Wyatt street.
Marshall street, 80 feet south from Stickney avenue.
Marshall street, 30 feet north from Stickney avenue.
Marshall street, opposite Howe street.
Marshall street, 5 feet north from Evergreen avenue.
Marshall street, 104 feet south from Mortimer place.
Marshall street, 109 feet north from Oakland avenue.
Meacham road, 4 feet north from Orchard street.
Meacham road, 97 feet north from Kingston street.
Meacham street, 14 feet west from Moreland street.
Mead street, 48 feet east from Claremon street.
Medford street, 50 feet north from Hennessey court.
Medford street, 56 feet north from Lowell street.
Medford street, 14 feet north from Glenwood road.
Medford street, 16 feet south from Bartlett street.
Medford street, 6 feet north from Central street.
Medford street, 19 feet south from Sycamore street.
Medford street, 15 feet south from Lee street.
Medford street, 46 feet south from Thurston street.
Medford street, 31 feet south from Dartmouth street.
Medford street, 5 feet north from School street.
Medford street, 171 feet north from Marshall street.
Medford street, 266 feet north from Walnut street.
Medford street, 17 feet south from Walnut street.
Medford street, 291 feet south from Walnut street.
Medford street, 8 feet south from Greenville street.

Medford street, 13 feet north from Prospect Hill avenue.
Medford street, 240 feet south from Prospect Hill avenue.
Medford street, opposite Chester avenue.
Medford street, 216 feet south from Washington street.
Medford street, 69 feet north from Jackson street.
Medford street, 21 feet north from Somerville avenue.
Medford street, 382 feet south from Somerville avenue.
Medford street, 220 feet north from Ward street.
Medford street, 55 feet north from Ward street.
Medford street, 91 feet south from Ward street.
Medford street, 46 feet south from South street.
Medford street, 17 feet south from Warren street.
Medford street, 220 feet south from Warren street.
Melrose street, 610 feet north from Mystic avenue.
Merriam street, 25 feet north from Charlestown street.
Miller street, 300 feet west from Sacramento street.
Miner street, 137 feet north from Vernon street.
Mondamin court, 272 feet west from Ivaloo street.
Monmouth street, 7 feet west from Central street.
Monmouth street, 156 feet east from Harvard street.
Montrose street, 10 feet east from Sycamore street.
Montrose street, 287 feet east from Sycamore street.
Montrose street, 259 feet west from School street.
Moore street, 22 feet south from Holland street.
Moore street, 335 feet south from Holland street.
Moore street, 21 feet north from Mead street.
Moreland street, 345 feet north from Meacham street.
Moreland street, 2 feet south from East Albion street.
Morgan street, 125 feet west from Park street.
Morrison avenue, 124 feet west from Cedar street.
Morrison avenue, 44 feet east from Pearson avenue.
Morrison avenue, 124 feet east from Rogers avenue.
Morrison avenue, 13 feet west from Newberne street.
Morrison avenue, 183 feet west from Clifton street.
Morrison avenue, 33 feet west from Grove street.
Mossland street, 114 feet north from Somerville avenue.
Mt. Pleasant street, 140 feet south from Broadway.
Mt. Pleasant street, 135 feet north from Perkins street.
Mt. Vernon avenue, 156 feet north from Heath street.
Mt. Vernon avenue, 38 feet south from Heath street.
Mt. Vernon street, 246 feet north from Washington street.
Mt. Vernon street, 8 feet north from Pearl street.
Mt. Vernon street, 7 feet south from Perkins street.
Mt. Vernon street, 11 feet south from Lincoln avenue.
Mt. Vernon street, 5 feet south from Broadway.
Munroe street, 203 feet east from Walnut street.
Munroe street, 6 feet west from Bigelow street.
Munroe street, 289 feet west from Boston street.
Murdock street, 204 feet east from Cedar street.
Murdock street, 610 feet east from Cedar street.
Museum street, 174 feet west from Beacon street.
Myrtle street, 218 feet north from Washington street.
Myrtle street, 460 feet north from Washington street.
Myrtle street, 74 feet south from Pearl street.
Myrtle street, 219 feet north from Pearl street.
Mystic avenue, 90 feet east from Union street.
Mystic avenue, 3 feet west from Union street.
Mystic avenue, 438 feet east from Austin street.
Mystic avenue, 11 feet west from Fellsway west .
Mystic avenue, 60 feet west from Temple street.
Mystic avenue, 25 feet east from Melrose street.
Mystic avenue, 800 feet east from Moreland street.

Mystic avenue, 544 feet east from Moreland street.
Mystic avenue, 241 feet east from Moreland street.
Mystic street (Ward 1), 148 feet north from Benedict street.
Mystic street (Ward 2), 160 feet south from Washington street.
Nashua street, 190 feet south from Wilton street.
Newbury street, 15 feet south from Holland street.
Newbury street, 260 feet south from Holland street.
Newbury street, 558 feet south from Holland street.
Newbury street, 777 feet south from Holland street.
Newbury street, 200 feet north from Cambridge line
New Cross street, 114 feet north from Broadway.
Newton street, 9 feet west from Joseph street.
Newton street, 9 feet east from Clark street.
Norfolk street, 27 feet south from Webster avenue.
Norfolk street, 227 feet south from Webster avenue.
North street, 18 feet north from Broadway.
North street, 13 feet north from south line of Russell road.
North street, 453 feet north from Raymond avenue.
North street, 190 feet north from city bound No. 17.
North Union street, 287 feet north from Mystic avenue.
Oak street, 8 feet west from Prospect street.
Oak street, 315 feet north from Houghton street.
Oakland avenue, 109 feet west from Marshall street.
Oliver street, 191 feet east from Cross street.
Oliver street, 15 feet east from Glen street.
Oliver street, 7 feet west from Franklin street.
Orchard street, 8 feet west from Russell street.
Orchard street, west corner Milton street.
Orchard street, 9 feet east from Chester street.
Otis street, 12 feet west from Cross street.
Otis street, 440 feet west from Cross street.
Otis street, 9 feet east from Dana street.
Otis street, 6 feet east from Wigglesworth street.
Oxford street, 280 feet west from School street.
Oxford street, 46 feet east from Trull lane.
Oxford street, 237 feet west from Hersey street.
Park avenue, 83 feet west from College avenue.
Park avenue, 10 feet west from Chandler street.
Park street, opposite Allen court.
Park street, 187 feet north from Beacon street.
Park street, 69 feet south from Somerville avenue.
Partridge avenue, 5 feet south from Broadway.
Partridge avenue, 26 feet north from Medford street.
Partridge avenue, 117 feet south from Medford street.
Partridge avenue, 421 feet south from Medford street.
Partridge avenue, 276 feet north from Vernon street.
Paulina street, 184 feet north from Holland street.
Paulina street, 283 feet south from Broadway.
Paulina street, 5 feet south from Broadway.
Pearl street, 50 feet west from Crescent street.
Pearl street, 7 feet north from Pinckney street.
Pearl street, 29 feet east from Franklin street.
Pearl street, opposite Hillside avenue.
Pearl street, 15 feet west from Glen street.
Pearl street, 90 feet east from Cross street.
Pearl street, 15 feet east from Delaware street.
Pearl street, 30 feet west from Dana street.
Pearl street, 1 foot west from Wigglesworth street.
Pearl street, 6 feet west from Walnut street.
Pearl street, 72 feet east from Bradley street.
Pearl street, 110 feet east from Marshall street.
Pearson avenue, 309 feet north from Morrison avenue.

Pearson road, 127 feet north from Broadway.
Pembroke street, 14 feet east from Tennyson street.
Perkins street, opposite Myrtle street.
Perkins street, 78 feet east from Florence street.
Perkins street, 24 feet east from Pinckney street.
Perkins street, 56 feet east from Perkins place.
Perkins street, 21 feet east from Mt. Pleasant street.
Perry street, 324 feet south from Washington street.
Pinckney street, 11 feet north from Washington street.
Pinckney street, 330 feet south from Pearl street.
Pinckney street, 71 feet south from Pearl street.
Pinckney street, 203 feet north from Pearl street.
Pitman street, 180 feet west from Beech street.
Pleasant avenue, 256 feet west from Walnut street.
Poplar street, 21 feet west from Joy street.
Poplar street, 22 feet east from Linwood street.
Porter street, 1 foot north from Mountain avenue.
Porter street, 282 feet south from Summer street.
Porter street, 24 feet north from Williams court.
Porter street, 8 feet north from Parker place.
Powder House boulevard, 191 feet west from Packard avenue.
Powder House boulevard, 172 feet east from Curtis street.
Powder House boulevard, 197 feet west from Curtis street.
Powder House boulevard, 528 feet west from Curtis street.
Prescott street, 330 feet south from Highland avenue.
Prescott street, 586 feet south from Highland avenue.
Prescott street, 257 feet north from Summer street.
Preston road, 269 feet west from School street.
Preston road, 166 feet south from Summer street.
Pritchard avenue, 255 feet north from Morrison avenue.
Professors row, 39 feet east from College avenue.
Professors row, 158 feet west from Boston avenue.
Professors row, 126 feet west from College avenue.
Professors row, 291 feet west from College avenue.
Professors row, 548 feet east from Packard avenue.
Professors row, 156 feet east from Packard avenue.
Professors row, 3 feet west from Packard avenue.
Professors row, 296 feet west from Packard avenue.
Professors row, 113 feet east from Curtis street.
Prospect Hill avenue, 10 feet north from Munroe street.
Prospect street, 135 feet north from Bennett street.
Prospect street, 35 feet south from Concord avenue.
Prospect street, 185 feet south from Oak street.
Prospect street, 403 feet south from Oak street.
Prospect street, 63 feet north from Houghton street.
Putnam street, 116 feet south from Highland avenue.
Putnam street, 420 feet south from Highland avenue.
Putnam street, 612 feet north from Summer street.
Putnam street, 308 feet north from Summer street.
Putnam street, 46 feet north from Summer street.
Quincy street, 91 feet north from Somerville avenue.
Quincy street, 381 feet north from Somerville avenue.
Quincy street, 26 feet south from Summer street.
Raymond avenue, 728 feet west from Curtis street.
Richardson street, 11 feet west from Nashua street.
Richdale avenue, opposite Thurston street.
Robinson street, 325 feet west from Central street.
Rogers avenue, 369 feet south from Broadway.
Rogers avenue, 257 feet north from Frederick avenue.
Rogers avenue, 88 feet south from Frederick avenue.
Rogers avenue, 255 feet north from Morrison avenue.
Rossmore street, 244 feet south from Washington street.

Rush street, 84 feet south from Pearl street.
Rush street, 11 feet north from Pearl street.
Rush street, 128 feet north from Brook street.
Russell road, 11 feet north from Broadway.
Sacramento street, 5 feet south from Miller street.
Sacramento street, 142 feet south from Beacon street.
Sanborn avenue, 55 feet east from Walnut street.
Sargent avenue, 474 feet south from Broadway.
Sargent avenue, 361 feet west from Walnut street.
Sargent avenue, 95 feet west from Walnut street.
School street, 31 feet south from Oakland avenue.
School street, 100 feet south from Maple avenue.
School street, 6 feet south from Montrose street.
School street, 128 feet north from Highland avenue.
School street, 88 feet north from Oxford street.
School street, 15 feet north from Avon street.
School street, 100 feet south from Summer street.
School street, 93 feet south from Preston road.
School street, 61 feet north from Knapp street.
Sewall street, 311 feet west from Grant street.
Shawmut street, 9 feet west from Washington street.
Shawmut street, 153 feet west from Shawmut place.
Simpson avenue, 272 feet south from Broadway.
Simpson avenue, 142 feet north from Holland street.
Skehan street, 110 feet east from Hanson street.
Somerville avenue, 188 feet west from Mossland street.
Somerville avenue, 308 feet east from Mossland street.
Somerville avenue, 600 feet east from Mossland street.
Somerville avenue, 116 feet west from Elm street.
Somerville avenue, 9 feet east from Ibbetson street.
Somerville avenue, 77 feet east from Belmont street.
Somerville avenue, 14 feet west from Garden court.
Somerville avenue, 133 feet west from Kent street.
Somerville avenue, 13 feet west from Beech street.
Somerville avenue, 11 feet east from Central street.
Somerville avenue, 2 feet west from Abdell street.
Somerville avenue, 15 feet west from Laurel street.
Somerville avenue, 86 feet west from Granite street.
Somerville avenue, 38 feet west from Sherman street.
Somerville avenue, 76 feet east from Hawkins street.
Somerville avenue, 185 feet west from Hawkins street.
Somerville avenue, 88 feet west from Quincy street.
Somerville avenue, 105 feet east from Carlton street.
Somerville avenue, 90 feet west from Prospect street.
Somerville avenue, 28 feet west from Linden street.
Somerville avenue, 9 feet east from Mystic street.
Somerville avenue, 94 feet west from Mansfield street.
Somerville avenue, 126 feet east from Medford street.
Somerville avenue, 88 feet east from Poplar street.
Somerville avenue, 464 feet east from Poplar street.
Somerville avenue, 153 feet west from Linwood street.
Somerville avenue, 20 feet east from F. R. R. crossing.
Somerville avenue, 368 feet west from Franklin court.
Somerville avenue, 262 feet west from Franklin court.
Somerville avenue, 23 feet east from Franklin court.
Somerville avenue, 100 feet west from Cambridge line.
South street, 97 feet west from Bedford street.
South street, 2 feet east from Harding street.
South street, 25 feet west from Hunting street.
South street, 80 feet west from Willow place.
Spencer avenue, 290 feet west from Cedar street.
Spencer avenue, 63 feet east from Hancock street.

Spring street, 10 feet south from Pitman street.
Spring street, 184 feet north from Beech street.
Springfield street, 140 feet south from Concord avenue.
Springfield street, 21 feet south from Dickinson street.
Springfield street, 177 feet south from Houghton street.
Spring Hill terrace, 333 feet south from Highland avenue.
Stickney avenue, 212 feet west from Marshall street.
Stone avenue, 120 feet north from Union square.
Stone avenue, 275 feet south from Columbus avenue.
Summer street, 148 feet east from Cutter avenue.
Summer street, opposite Elston street.
Summer street, west corner Hancock street.
Summer street, 34 feet east from Banks street.
Summer street, 6 feet east from Cherry street.
Summer street, 6 feet east from Cedar street.
Summer street, 24 feet east from Linden avenue.
Summer street, opposite Craigie street.
Summer street, 35 feet east from Porter street.
Summer street, 4 feet east from Lowell street.
Summer street, 3 feet east from Belmont street.
Summer street, 1 foot west from Spring street.
Summer street, 53 feet west from Harvard street.
Summer street, 215 feet east from Harvard street.
Summer street, 59 feet east from Central street.
Summer street, 19 feet west from Laurel street.
Summer street, 52 feet west from Preston road.
Summer street, 191 feet west from School street.
Summer street, 8 feet east from School street.
Summit avenue, 231 feet east from Vinal avenue.
Sunnyside avenue, 99 feet west from Wigglesworth street.
Sycamore street, 18 feet south from Broadway.
Sycamore street, 62 feet south from Browning road.
Sycamore street, 1 foot south from Forster street.
Sycamore street, 200 feet north from Medford street.
Sycamore street, 174 feet south from Medford street.
Sydney street, 418 feet east from Temple street.
Talbot avenue, 483 feet east from Packard avenue.
Temple street, 4 feet north from Broadway.
Temple street, 123 feet south from Sewall street.
Temple street, 11 feet north from Jaques street.
Temple street, 6 feet south from Derby street.
Temple street, 5 feet south from Sydney street.
Tenney court, 306 feet north from Mystic avenue.
Tennyson street, 4 feet south from Medford street.
Tennyson street, 117 feet north from Pembroke street.
Thorndike street, 4 feet south from Holland street.
Thorndike street, 82 feet north from Kingston street.
Thorpe place, 269 feet south from Highland avenue.
Thurston street, 187 feet north from Medford street.
Thurston street, 160 feet south from Evergreen avenue.
Thurston street, 6 feet north from Evergreen avenue.
Thurston street, 348 feet north from Evergreen avenue.
Tower street, 18 feet north from Crown street.
Tremont street, 9 feet south from Webster avenue.
Tremont street, 454 feet south from Webster avenue.
Trull street, 3 feet south from Medford street.
Trull street, 276 feet south from Medford street.
Trull street, 522 feet north from Vernon street.
Trull street, 270 feet north from Vernon street.
Tufts street, 51 feet north from Washington street.
Tufts street, 150 feet south from Glen street.
Tufts street, 43 feet north from Glen street.

Tufts street, 53 feet south from Dell street.
Tufts street, 45 feet south from Cross street.
Tyler street, 31 feet east from Vine street.
Union square, 267 feet east from Webster avenue.
Union square, 15 feet east from Stone avenue.
Union square, 3 feet west from Bow street.
Union square, centre of square.
Union street, 3 feet north from Broadway.
Union street, 123 feet south from Mystic avenue.
Veazie street, 1 foot west from James street.
Vernon street, 72 feet west from Partridge avenue.
Vernon street, 1 foot east from Bartlett street.
Vernon street, 2 feet east from Miner street.
Victoria street, 255 feet south from Broadway.
Victoria street, 506 feet south from Broadway.
Victoria street, 151 feet north from Woodstock street.
Villa avenue, 121 feet south from Winslow avenue.
Vinal avenue, 6 feet south from Highland avenue.
Vinal avenue, 10 feet north from Pleasant avenue.
Vinal avenue, 129 feet north from Aldersey street.
Vinal avenue, 206 feet north from Summer street.
Vinal avenue, 15 feet north from Summer street.
Vine street, 15 feet north from Beacon street.
Vine street, opposite Eliot street.
Vine street, 121 feet south from Tyler street.
Vine street, 32 feet south from Somerville avenue.
Virginia street, 45 feet west from Aldrich street.
Waldo street, 6 feet north from Highland avenue.
Wallace street, 37 feet south from Broadway.
Wallace street, 395 feet south from Broadway.
Wallace street, 483 feet north from Park avenue.
Wallace street, 166 feet north from Park avenue.
Wallace street, 10 feet north from Holland street.
Walnut street, 88 feet south from Wellington avenue.
Walnut street, opposite Veazie street.
Walnut street, 87 feet north from Gilman street.
Walnut street, 31 feet north from Pleasant avenue.
Walnut street, 12 feet south from Boston street.
Walter street, 28 feet west from Walnut street.
Walter street, 50 feet west from Bradley street.
Ward street, 104 feet west from Medford street.
Ward street, 3 feet east from Emery street.
Ware street, 258 feet west from Curtis street.
Ware street, 638 feet west from Curtis street.
Warner street, 60 feet north from Broadway.
Warren avenue, 5 feet north from Sanborn avenue.
Warren avenue, 48 feet north from Bow street.
Warren avenue, 7 feet south from Columbus avenue.
Warwick place, 142 feet north from Warwick street.
Warwick street, 426 feet east from Cedar street.
Washington street, 69 feet west from Crescent street.
Washington street, 3 feet west from Waverley street.
Washington street, west corner Mt. Vernon street.
Washington street, 3 feet west from Murray street.
Washington street, 2 feet east from Bartlett street.
Washington street, 6 feet west from Florence street.
Washington street, 15 feet west from Myrtle street.
Washington street, 18 feet east from Franklin avenue.
Washington street, 160 feet east from Franklin street.
Washington street, 50 feet east from Shawmut street.
Washington street, 37 feet east from Rossmore street.
Washington street, 78 feet east from Boston street.

Washington street, 28 feet west from Mystic street.
Washington street, 6 feet west from Clark place.
Washington street, 156 feet west from Bonner avenue.
Washington street, 6 feet east from Kingman court.
Washington street, 243 feet east from Parker street.
Washington street, 50 feet east from Bowdoin street.
Washington street, 9 feet east from Leland street.
Washington street, 112 feet east from Dane street.
Washington street, 175 feet west from Dane street.
Washington street, 45 feet east from Beacon street.
Washington street, 62 feet east from Line street.
Water street, 91 feet north from South street.
Water street, 254 feet north from South street.
Water street, 354 feet north from South street.
Waterhouse street, 24 feet south from Broadway.
Waterhouse street, 326 feet south from Broadway.
Waterhouse street, 630 feet south from Broadway.
Webster avenue, 93 feet south from Washington street.
Webster avenue, 12 feet south from Everett street.
Webster avenue, 25 feet north from Newton street.
Webster avenue, 63 feet north from Prospect street.
Webster avenue, 18 feet south from Prospect street.
Webster avenue, 78 feet north from Tremont street.
Webster avenue, 3 feet north from Beach avenue.
Webster avenue, 1 foot south from Columbia court.
Webster street, 25 feet east from Cross street.
Webster street, 9 feet east from Rush street.
Webster street, opposite Cutter street.
Wellington avenue, 15 feet west from Montgomery avenue.
Wesley street, 200 feet north from Pearl street.
Wesley park, 16 feet north from Bow street.
Wesley park, 335 feet north from Bow street.
West street, 2 feet north from Broadway.
West street (Ward 7), 92 feet south from Highland avenue.
West street (Ward 7), 140 feet north from Highland avenue.
Westminster street, 156 feet south from Electric avenue.
Westwood road, 90 feet west from Central street.
Westwood road, 58 feet east from Benton road.
Wheatland street, 129 feet north from Broadway.
Wheatland street, 9 feet south from Jaques street.
Wheatland street, 78 feet south from Mystic avenue.
Whipple street, 101 feet north from Highland avenue.
William street, 8 feet east from Chandler street.
Willoughby street, 146 feet west from Sycamore street.
Willow avenue, 14 feet north from Summer street.
Willow avenue, 3 feet north from Lexington avenue.
Willow avenue, 46 feet south from Morrison avenue.
Willow avenue, 42 feet south from Fosket street.
Willow avenue, opposite Mallett street.
Wilton street, 6 feet east from Nashua street.
Wilton street, 10 feet east from Lawrence street.
Windom street, 7 feet south from Summer street.
Windsor road, 86 feet east from Willow avenue.
Windsor road, 45 feet west from Hancock street.
Winslow avenue, 145 feet east from College avenue.
Winslow avenue, 5 feet west from Grove street.
Winslow avenue, 8 feet west from Clifton street.
Winter street, 130 feet east from Holland street.
Winter-hill circle, 178 feet north from Broadway.
Woodbine street, 222 feet west from Centre street.
Wyatt street, 8 feet south from Taunton street.

**List of Private Hydrants Supplied from the City
of Somerville Mains.**

John P. Squire & Co.	8
North Packing and Provision Co.	10
New England Dressed Meat and Wool Co.	5
Boston & Maine Railroad	7
Union Glass Works	1
Fresh Pond Ice Co.	1
American Tube Works	1
Middlesex Bleachery	3
Boston Elevated Railway Co.	1
Metropolitan Sewerage Pumping Station	1
Tufts College	4
Middlesex Paper Co.	2
Derby Desk Co.	1
M. W. Carr & Co.	2

Gates—Construction Account.

New gates have been set in the following locations:—

- Abdell street, 6-inch gate, 8 feet 4 inches east from west line, on south line of Somerville avenue.
- Bolton street, 2-inch gate, 3 feet out from waterpost located opposite Baxter school.
- Boston avenue, 8-inch gate, 13 feet 4 inches out from east line, on north line of Morrison avenue.
- Carr's lane, off Elmwood street, 6-inch gate, 117 feet south from south line of Harrison street, on east line of Elmwood street.
- Clifton street, 6-inch gate, 13 feet 4 inches out from east line, on south line of Morrison avenue.
- Dresden circle, 4-inch gate, 10 feet out from north line of Cutter avenue, and 132 feet west from west line of Cutter avenue; for blow-off.
- Evergreen square, 4-inch gate, 7 feet out from north line, on east line of Porter street.
- Frederick avenue, 10-inch gate, 13 feet 4 inches out from south line, on east line of Highland road.
- Giles place, 2-inch gate, 12 feet out from north line, and 11 feet west from east line of house No. 11; for blow-off.
- Hillside circle, 4-inch gate, 5 feet out from north line, on west line of Craigie street.
- Lowell street, 2-inch gate, 4 feet out from waterpost located opposite Crown street.
- Morrison avenue, 6-inch gate, 14 feet out from north line, on east line of Morrison place.
- North street, 12-inch gate, 13 feet 4 inches out from east line, on south line of Raymond avenue.
- North street, 6-inch gate, 13 feet 4 inches out from east line, on north line of Raymond avenue.
- North street, 4-inch gate, 16 feet out from east line, and 18 feet south from north line of Raymond avenue; for blow-off.
- Ossipee road, 6-inch gate, 13 feet 4 inches out from north line, on west line of Packard avenue.
- Ossipee road, 6-inch gate, 13 feet 4 inches out from north line, on east line of Curtis street.
- Pearson avenue, 6-inch gate, 15 feet out from east line, on north line of Frederick avenue.
- Pearson avenue, 6-inch gate, 15 feet out from east line, on south line of Frederick avenue.
- Russell road, 8-inch gate, 13 feet 4 inches out from west line, on north line of Broadway.

Sanborn avenue, 4-inch gate, 12 feet 8 inches out from south line, on west line of Warren avenue.

Sawyer avenue, 12-inch gate, 13 feet 4 inches out from north line, on west line of Packard avenue.

Shawmut street, 2-inch gate, 3 feet out from waterpost located 74 feet north from Shawmut place.

Somerville avenue, 12-inch gate, 23 feet out from north line, on east line of Quincy street.

Gates—Renewal Account.

The following changes have been made in the size and location of main gates:—

Bartlett street, 2-inch gate, set 3 feet out from waterpost located 26 feet south from Broadway, and 2-inch gate removed from old waterpost location on Adams street, 57 feet south from Broadway.

Tremont street, 2-inch gate, set 3 feet out from waterpost located 120 feet south from Webster avenue, and 2-inch gate on old waterpost location in Webster avenue, 63 feet north from Tremont street, abandoned.

GATES—RECAPITULATION.

GATES.	1½"	2"	3"	4"	6"	8"	10"	12"	Total.
Set	—	6	—	5	9	2	1	3	26
Removed	—	2	—	—	—	—	—	—	2

Net increase in number of gates in 1904 24
 Total number of gates in the city December 31, 1904 . 1,343

Locations of Water Posts.

Albion street, 83 feet west from Centre street.
 Appleton street, 49 feet west from Willow avenue.
 Bartlett street, 26 feet south from Broadway.
 Beacon street, 33 feet north from Concord avenue.
 Beacon street, 33 feet west from Vine street.
 Beacon street, 94 feet east from Sacramento street.
 Bolton street, opposite Baxter school.
 Bonair street, 19 feet west from Wigglesworth street.
 Bond street, 14 feet north from Broadway.
 Boston street, 107 feet west from Greenville street.
 Broadway, 75 feet west from Winthrop avenue.
 Broadway, 6 feet west from Farm lane.
 Broadway, 6 feet west from Irving street.
 Broadway, 120 feet west from Clarendon avenue.
 Broadway, 20 feet west from North street.
 Cedar street, 96 feet south from Morrison avenue.
 Cherry street, 161 feet south from Fairlee street.
 College avenue, opposite Morrison avenue.
 College avenue, 5 feet south from Kenwood street.
 Columbus avenue, 54 feet east from Walnut street.
 Concord avenue, opposite Knapp school.
 Curtis street, 50 feet east from Professors row.
 Dana street, 30 feet east from Pearl street.
 Elm street, 25 feet west from Burnside avenue.
 Flint street, 47 feet east from Cross street.

Franklin street, 127 feet south from Broadway.
 Gilman street, 63 feet east from Walnut street.
 Grove street, 19 feet south from Highland avenue.
 Highland avenue, 44 feet west from Hamlet street.
 Highland avenue, 50 feet west from Putnam street.
 Highland avenue, 15 feet west from Central street.
 Holland street, 30 feet west from Elmwood street.
 Jaques street, 159 feet west from Grant street.
 Laurel street, 20 feet south from Summer street.
 Liberty avenue, 46 feet south from Broadway.
 Linwood street, 70 feet west from Poplar street.
 Lowell street, opposite Crown street.
 Lowell street, 34 feet north from Highland avenue.
 Medford street, 35 feet east from Ward street.
 Medford street, at Gilman square.
 Medford street, 19 feet east from Jenny Lind avenue.
 Montrose street, 204 feet west from School street.
 Mt. Vernon street, 71 feet south from Broadway.
 Mystic avenue, 33 feet west from Union street.
 Orchard street, 107 feet west from Dover street.
 Otis street, 127 feet west from Cross street.
 Pearl street, 28 feet east from Myrtle street.
 Pleasant avenue, 104 feet west from Walnut street.
 Putnam street, 96 feet north from Summer street.
 School street, 116 feet south from Broadway.
 School street, 50 feet north from Berkeley street.
 Shawmut street, 74 feet north from Shawmut place.
 Somerville avenue, 175 feet east from Fitchburg R. R. crossing.
 Somerville avenue, 246 feet east from Poplar street.
 Somerville avenue, 89 feet east from Mystic street.
 Somerville avenue, 119 feet west from School street.
 Somerville avenue, 92 feet west from Kent street.
 Somerville avenue, 120 feet west from Oak square.
 Somerville avenue, 42 feet east from Mossland street.
 Summer street, 14 feet east from Belmont street.
 Summer street, 32 feet east from Cedar street.
 Summer street, 35 feet east from Cutter avenue.
 Sycamore street, 28 feet west from Medford street.
 Temple street, 124 feet south from Heath street.
 Tremont street, 120 feet south from Webster avenue.
 Tufts street, 114 feet east from Cross street.
 Vernon street, 45 feet west from Central street.
 Washington street, 96 feet west from Myrtle street.
 Washington street, 7 feet west from Boston street.
 Washington street, 34 feet west from Union square.
 Washington street, opposite Leland street.
 Wheatland street, 30 feet south from Mystic avenue.

Locations of Drinking Fountains.

Belmont park	D
Broadway, opposite park, near Winthrop avenue .	H
Franklin park	D
Union square, junction Somerville avenue and Washington street	H
Union square, in front of Hill building	D I
Lincoln park	D
Gilman square	H
Gilman square	D I
Cutter square	C
Davis square, in front of Medina building	D I
Teele square	H

H, horse trough; D, drinking fountain; I, ice water; C, combination trough and drinking fountain.

Summary of Statistics

FOR THE YEAR ENDING DECEMBER 31, 1904.

In form recommended by the New England Water Works Association.

SOMERVILLE WATER WORKS.

SOMERVILLE, MIDDLESEX COUNTY, MASS.

GENERAL STATISTICS.

Population by census of 1900, 61,643.

Date of construction: commenced in 1868.

By whom owned: City of Somerville.

Source of supply: Metropolitan water system.

Mode of supply: water is delivered into the city's mains, under both high and low pressures, by the Metropolitan Water Works.

STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date, 71,000.
2. Estimated population on lines of pipe, 71,000.
3. Estimated population supplied, 71,000.
4. Total consumption for the year, 2,279,637,000 gallons.
5. Passed through meters, 416,097,066 gallons.
6. Percentage of consumption metered, 18.25.
7. Average daily consumption, 6,228,000 gallons.
8. Gallons per day to each inhabitant, 89.

STATISTICS RELATING TO DISTRIBUTION SYSTEM.**MAINS.**

1. Kind of pipe, cast-iron.
2. Sizes, from 4-inch to 20-inch.
3. Extended 5,826 feet during year.
5. Total now in use, 89.53 miles.
6. Cost of repairs per mile, \$2.53.
7. Number of leaks per mile, .07.
9. Number of hydrants added during year (public and private), 15.
10. Number of hydrants (public and private) now in use, 1,033.
11. Number of stop gates added during year, 24.
12. Number of stop gates now in use, 1,343.
14. Number of blow-offs, 135.
15. Range of pressure on mains, 35 pounds to 100 pounds.

SERVICES.

16. Kind of pipe: Lead; wrought iron—lead-lined; wrought iron—cement-lined.
17. Sizes, one-half to six inches.
18. Extended 7,606 feet.
20. Total now in use, 70.7 miles.
21. Number of service taps added during the year, 201.
22. Number now in use, 11,059.
24. Average cost of service for the year, \$19.31.
25. Number of meters added, 624.
26. Number now in use, 1,262.
27. Percentage of services metered, 11.41.
28. Percentage of receipts from metered water, 28.03.
29. Number of motors and elevators added, 1.
30. Number now in use, 10.

WATER DEPARTMENT.

FINANCIAL STATISTICS.

RECEIPTS.

EXPENDITURES.

From Water Rates:—				Water Works Maintenance:—			
<i>A.</i> Fixture rates	.	.	\$155,476 73	<i>AA.</i> Operation (management and repairs)	.	.	\$25,665 40
<i>B.</i> Meter rates	.	.	60,550 61	<i>BB.</i> Special:—	.	.	
<i>C.</i> Total from consumers	.	.		Miscellaneous accounts	.	3,324 89	
<i>M.</i> From other sources:—	.	.	\$216,027 34	<i>CC.</i> Total maintenance	.	.	\$28,990 29
Metropolitan Water Works	.	.	\$ 820 31	<i>DD.</i> Interest on bonds	.	.	4,850 00
Water service assessments	.	.	3,537 40	<i>EE.</i> Payment of bonds	.	.	15,000 00
Costs for non-payment	.	.	244 00				
Labor and materials sold	.	.	3,479 89	Water Works Construction:—			
				<i>GG.</i> Extension of mains	.	\$8,490 48	
				<i>HH.</i> Extension of services	.	3,880 99	
				<i>II.</i> Extension of meters	.	10,448 06	
				<i>JJ.</i> Miscellaneous accounts	.	162 95	
				<i>KK.</i> Total construction	.	.	\$22,982 48
				<i>LL.</i> Unclassified expenses:—	.	.	
				Metropolitan water assessment	.	.	86,736 93
				Refunds to consumers	.	.	982 91
				<i>MM.</i> Balance:—			
				(<i>aa</i>) Ordinary	.	64,566 33	
				Total balance	.	.	\$64,566 33
<i>N.</i> Total	.	.	\$224,108 94	<i>N.</i> Total	.	.	\$224,108 94

Disposition of balance: applied to other municipal purposes.

O. Cost of works to date \$838,706 95*P.* Bonded debt at date 108,000 00*R.* Average rate of interest, 4 per cent.

REPORT OF CHIEF ENGINEER OF FIRE DEPARTMENT.

OFFICE OF CHIEF ENGINEER OF FIRE DEPARTMENT. }
December 31, 1904. }

To His Honor, the Mayor, and the Board of Aldermen:—

I herewith present the annual report of the fire department for the year ending December 31, 1904.

Fires.

Number of bell alarms	170
Number of still alarms	105
Total alarms	275
Value of buildings at risk	\$328,450 00
Damage to buildings	32,748 00
Insurance on buildings	122,520 00
Value of contents	120,700 00
Damage to contents	39,514 75
Insurance on contents	63,603 00
Total value	449,150 00
Total damage	72,262 75
Total insurance	188,123 00
Automobile overheated	1
Accidental gasolene and match	1
Bonfires	3
Burning of rubbish	12
Boiling over of fat	1
Breaking of kerosene lamp	7
Children playing with matches	5
Clothing in contact with lamp	2
Clothing in contact with oil stove	1
Curtain in contact with gas jet	3
Chimney fire	4
Defective chimney flue	5
Defective chimney	4
Defective gas pipe	3
Dump fires	3
Explosion of kerosene stove	2
Explosion of oil heater	1
Explosion of celluloid dust	2
Explosion of dust	1
Explosion of naphtha	2
Electric car	2
Electric wires	3
Fireworks on roof	2
Fire balloon on awning	1
Fire in Medford	3
False alarms	9
Grass fire	5
Hot ashes in wood receptacle	1
Igniting of Christmas tree from candle	1
Igniting from joss stick	1
Number carried forward	91



LYMAN'S STABLE, WASHINGTON STREET, AUGUST 31, 1904.
REAR VIEW.



LYMAN'S STABLE, WASHINGTON STREET, AUGUST 31, 1904.
FRONT VIEW.

Number brought forward	91
Incendiary	7
Lightning	2
Overheated coal stove	3
Overheated furnace	4
Overheated oil stove	5
Rats and matches	4
Smoke mistaken for fire	3
Sparks from chimney on roof	9
Sparks from under boiler	2
Sparks from railroad engine	13
Sparks from snap match	2
Sparks from tobacco pipe	4
Spark from stove	1
Spark from pipe in pocket	1
Spontaneous combustion	7
Thawing water pipes	3
Unknown	9
	<hr/>
	170

Manual Force.

The manual force of the department consists of 117 members;—thirty-five permanent men, and eighty-two callmen, distributed as follows:—

	Per- manent.	Call.	Total.
Chief engineer	1		1
Two engine companies, each	5	9	28
One engine company	5	8	13
One chemical company	3		3
One chemical engine and hose company	3	5	8
One chemical engine and hose company	3	3	6
Two hose companies, each	2	8	20
One hose company	2	7	9
One hook and ladder company	2	12	14
One hook and ladder company	2	13	15
Total force			<hr/> 117

Equipment.

The apparatus in service consists of three steam fire engines, one chemical engine, two combination chemical engines and hose wagons, six hose wagons, and two ladder trucks. In reserve, one steam fire engine, one ladder truck, and two hose reels, all in good condition. There has been ordered a ladder truck, to be equipped with chemical tanks and large hose for water service, to be located in the fire station at the corner of Broadway and New Cross street. During the year engine No. 2 was thoroughly repaired, and is now in first-class order. There are forty horses in the department.

The several buildings of the department are all in good condition. The administration of 1903 commenced the erection of

a fire station in Union square, to take the place of the old one erected in 1854. It was completed and occupied by hook and ladder company No. 1 and hose No. 3 in December, 1904. It has accommodations for a steam fire engine, a hose wagon, and a tower ladder truck necessary to handle fires in large buildings.

Fire Department Account.

CREDIT.

Appropriation	\$66,900 00	
Receipts:—		
Matheison Alkali Works, refund	41 02	
Electrical Department, board of horses	300 00	
	<hr/>	
Total credit		\$67,241 02

DEBIT.

Expenditures:—

Salaries of permanent men and substitute drivers	\$38,034 44
Salaries of callmen	14,062 56
Watching after fires	29 50
Improvements and repairs of apparatus and vehicles	2,412 07
Repairing engine 2	2,500 00
Hose and repairing same	2,052 95
Horses	1,081 33
Grain and feed	1,615 86
Hay and straw	3,038 80
Washing and ironing	429 56
Harnesses and repairing same	702 08
Horseshoeing	1,093 38
Ice	82 85
Fire extinguishers	359 82
Horse medicine and doctoring	116 00
Telephones	204 46
Supplies	581 76
Incidentals	963 23

Total debit		\$69,360 65
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Amount overdrawn		\$2,119 63
(Deficiency caused by re-building of Engine No. 2.)		

Less Noise in Giving an Alarm.

I have requested the commissioner of wires to reduce one-half the number of blows struck on fire alarm bells and whistles of the fire alarm system. Twenty-one signal boxes have already been changed so as to strike two rounds, instead of four, as formerly. It is desirable that all the signal boxes be so changed as soon as possible, that unnecessary noise may be avoided.

Underground Wires.

His honor, the mayor, has applied to the state legislature for the passage of an act requiring all wires except those of the street railway and long-distance telephone systems to be placed under ground. Such an act is now pending in the legislature, and favorable action is expected, so that the work of placing wires under ground may commence early in the spring. When accomplished, the streets will be much safer and more beautiful.

Pensions.

Few cities permit men to enter the service over a certain age, as it would be unjust to tax-payers to allow those past middle age to serve a few years and then be retired on a pension to which the short service they rendered would not entitle them. The purpose of the pension act is to provide for those of old age who have rendered many years of service in the department, with all its risks and responsibilities, and those who may have become incapacitated from earning a living by accident while in the performance of their duties as firemen.

In Memoriam.

ASSISTANT CHIEF NATHANIEL C. BARKER.

Born September 28, 1836; died March 7, 1904.

Assistant Chief Nathaniel C. Barker died at his residence in Ellsworth street March 7, 1904, of a complication of diseases which had confined him to his house for three months, at the age of sixty-eight years, during thirty-three of which he had been a member of the Somerville fire department, and twenty-seven years assistant chief. He was a good fireman, and a most exemplary citizen.

LIEUTENANT HORACE P. EWELL.

Born February 28, 1858; died May 1, 1904.

Lieutenant Horace P. Ewell, of hook and ladder company No. 1, died May 1, 1904, after a long illness, the result of falling through a floor while in the performance of his duty as a fireman in a burning building in 1902. He was born at Hanover, and was a carpenter by occupation. He was a member of the department nineteen years.

Service of Companies in Fire Department, Year 1904.

	Engine 1.	Engine 2.	Engine 4.	Hose 2.	Hose 3.	Hose 5.	Hose and Chemical 6.	Hose and Chemical 7.	Chemical A.	Hook and Ladder 1.	Hook and Ladder 2.	Totals.
Bell alarms responded to . . .	124	71	54	79	93	62	39	70	123	105	70	890
Still alarms responded to . . .	4	17	10	9	8	21	14	12	14	8	3	120
Miles traveled . . .	253	116	125	182	150	112	88	131	264	122	102	1,645
Feet of hose used . . .	13,400	9,400	10,450	10,800	13,450	9,800	2,700	6,300	. .	. .	. .	76,300
Feet of chemical hose used . . .	. .	. .	. .	. .	. .	. .	3,150	6,000	21,800	. .	. .	30,950
Feet of ladders used . . .	130	150	120	325	46	80	103	60	95	2,803	2,194	6,106
Chemical extinguishers used . . .	9	5	13	4	24	56	. .	6	. .	4	2	133
Gallons of chemical water used . . .	. .	. .	. .	. .	. .	. .	805	1,275	. .	. .	. .	2,080
Times on duty at other stations . . .	. .	1	. .	. .	. .	. .	6	3	. .	. .	. .	10

Roster of Department.

James R. Hopkins Chief Engineer 27 Summit ave.

ENGINE COMPANY NO. 1.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Edward W. Ring,	May 6, 1847,	Captain,	Fireman,	Medford st.
Frank Langer,	July 4, 1854,	Lieutenant,	Wood Moulder,	Trull lane.
John W. Bartlett,	Feb. 22, 1862,	Engineman,	Fireman,	Hudson st.
Harry J. Locke,	April 25, 1871,	Driver,	Fireman,	Boston st.
Lyle Sterling,	Feb. 28, 1867,	Driver,	Fireman,	Somerville ave.
Percival L. Lowell,	July 1, 1877,	Asst. Engineman,	Fireman,	Marshall st.
Fred S. Young,	Feb. 1, 1867,	Hoseman,	On water works,	Oxford st.
Oscar J. Lingley,	April 5, 1860,	Hoseman,	Milkman,	Avon st.
Benjamin F. Johnson,	Nov. 20, 1864,	Hoseman,	R. R. Yard Man,	Medford st.
Sewall M. Rich,	Nov. 6, 1866,	Hoseman,	Merchant,	Medford st.
Joseph W. Mess,	Sept. 25, 1863,	Hoseman,	Pedler,	Chester ave.
Melvin F. Underwood,	Nov. 28, 1873,	Hoseman,	Electrician,	Highland ave.
Frank R. Rametti,	Dec. 26, 1873,	Hoseman,	Lineman,	Pearl st.
Everett W. Bray,	Feb. 17, 1872,	Hoseman,	Prov. Clerk,	Medford st.

ENGINE COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Benjamin H. Pond,	Oct. 25, 1867,	Captain,	Fireman,	Columbus ave.
Clarence V. Cook,	Oct. 1, 1858,	Engineman,	Fireman,	Maple ave.
Walter H. Young,	Dec. 25, 1869,	Asst. Engineman,	Fireman,	Fountain ave.
Lewis E. Seymour,	March 25, 1873,	{ Lieutenant, { Driver,	Fireman,	Cross st.
Charles Spike,	Feb. 8, 1875,	Driver,	Fireman,	Grant st.
Robert Geaton,	Feb. 22, 1861,	Hoseman,	Painter,	Bradley st.
Charles T. Garland,	Nov. 15, 1871,	Hoseman,	Coal Dealer,	Broadway.
Edward W. Burgess,	Aug. 3, 1859,	Hoseman,	Vegetable Dealer,	Otis st.
Cornelius A. Doherty,	April 30, 1873,	Hoseman,	Milk Dealer,	Cross st.
Frederick W. Kimball,	Aug. 11, 1866,	Hoseman,	Woodworker,	Brook st.
George H. Crosby,	Sept. 14, 1881,	Hoseman,	Teamster,	Cross st.
Thomas E. Nagle,	Nov. 7, 1869,	Hoseman,	Milk Striker,	Oliver st.
Robert F. Garland,	June 23, 1866,	Hoseman,	Laundryman,	Cross st.
Charles M. Craig,	Nov. 4, 1878,	Hoseman,	Teamster,	Oliver st.

ENGINE COMPANY NO. 4.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
John Gillooly,	June 9, 1856,	Captain,	Fireman,	Winslow ave.
Danforth S. Steele,	Sept. 9, 1850,	Lieutenant,	Foreman,	Leslie pl.
Lindorf D. Bixby,	Jan. 31, 1841,	Engineman,	Fireman,	Highland ave.
Edgar F. Curtis,	July 30, 1869,	Asst. Engineman,	Fireman,	Lovell st.
Robert W. Jesson,	May 16, 1873,	Driver,	Fireman,	Pitman st.
Charles F. Hathaway,	Feb. 11, 1876,	Driver,	Fireman,	Grove st.
Joseph A. Sander,	April 28, 1868,	Hoseman,	Fireman,	Grove st.
John F. Berton,	Feb. 14, 1857,	Hoseman,	Painter,	College ave.
James I. King,	March 30, 1865,	Hoseman,	Painter,	Elm ct.
Eugene H. Jones,	June 17, 1864,	Hoseman,	Lineman,	Morrison ave.
George C. Creighton,	Sept. 18, 1865,	Hoseman,	Type Founder,	Cutter ave.
John B. Rufer,	March 16, 1869,	Hoseman,	Blacksmith,	Lowell st.
Charles A. Frink,	April 23, 1873,	Hoseman,	Undertaker,	West st.
George H. Keay,	Sept. 23, 1868,	Hoseman,	Fish Dealer,	Herbert st.

HOSE COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Francis W. Ring,	Aug. 7, 1854,	Captain,	Fireman,	Wheatland st.
Daniel R. Spike,	March 22, 1844,	Lieutenant,	Janitor,	Marshall st.
Henry A. Angier,	April 30, 1838,	Driver,	Fireman,	Jaques st.
William F. Marble,	June 22, 1852,	Hoseman,	Fish Dealer,	Moreland st.
Harry V. Spike,	Aug. 2, 1874,	Hoseman,	Clerk,	Grant st.
Charles A. Woodbury,	Jan. 31, 1859,	Hoseman,	Milk Dealer,	Sargent ave.
Frederic E. Cushing,	Dec. 20, 1845,	Hoseman,	Painter,	Marshall st.
Benjamin Marble,	May 1, 1870,	Hoseman,	Fish Dealer,	Sargent ave.
J. Walter Holmes,	Sept. 8, 1875,	Hoseman,	Victualler,	Marshall st.
Charles P. Fowler,	May 24, 1879,	Hoseman,	Clerk,	Hamlet st.

HOSE COMPANY NO. 3.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Henry J. Turner,	Feb. 24, 1865,	{ Lieutenant, { Driver,	Fireman,	Somerville ave.
George F. Bixby,	Nov. 27, 1869,	Hoseman,	Fireman,	Highland ave.
Francis S. Brown,	Feb. 4, 1845,	Hoseman,	Watchman,	Columbus ave.
Thomas W. Joy,	Feb. 22, 1856,	Hoseman,	Cooper,	Hawkins st.
Alfred R. Higgins,	Feb. 25, 1849,	Hoseman,	Park Laborer,	Prospect st.
Edward A. Parker,	Oct. 29, 1851,	Hoseman,	Park Laborer,	Prescott st.
Walter J. Green,	Oct. 25, 1868,	Hoseman,	Florist,	Somerville ave.
Joseph F. Green,	Aug 9, 1878,	Hoseman,	Teamster,	Mystic st.
Peter J. Kelley,	March 29, 1879,	Hoseman,	Teamster,	Mystic st.
Thomas L. Deegan,	Oct. 15, 1877,	Hoseman,	Blacksmith,	Mystic st.

HOSE COMPANY NO. 5.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Edwin F. Trefren,	March 28, 1858,	Captain,	Fireman,	Lowell st.
William J. Blaisdell,	May 16, 1846,	Lieutenant,	Painter,	Summer st.
Abner Peterson,	Feb. 28, 1879,	Driver,	Fireman,	Porter st.
Martin E. Driscoll,	Dec. 21, 1872,	Hoseman,	Painter,	Miller st.
Horace L. Dunklee,	Dec. 12, 1854,	Hoseman,	Fireman,	Somerville ave.
George R. Green,	Feb. 27, 1866,	Hoseman,	Florist,	Somerville ave.
Albert F. McGrath,	July 14, 1877,	Hoseman,	Butcher,	Elm place.
Frederick G. Jones,	Nov. 26, 1866,	Hoseman,	Patrol Driver,	Somerville ave.
Adam H. Gibby, Jr.,	Sept. 2, 1874,	Hoseman,	Electrician,	Summer st.

HOSE AND CHEMICAL COMPANY NO. 6.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Joseph A. Cribby,	Aug. 22, 1864,	Captain,	Fireman,	Newbury st.
George W. Bridges,	March 22, 1876,	Lieutenant,	Fireman,	Newbury st.
John T. Coneeny,	Nov. 2, 1876,	Operator,	Fireman,	Ellsworth st.
Walter M. Brown,	Sept. 6, 1863,	Hoseman,	Milkman,	Highland ave.
Elmer C. Shiere,	Apr. 29, 1878,	Hoseman,	Clerk,	Elm st.
Charles H. Bridges,	Nov. 29, 1848,	Hoseman,	Machinist,	Westminster st.
Homer A. White,	July 27, 1865,	Hoseman,	Painter,	Newbury st.
William Stern,	Sept. 16, 1879,	Hoseman,	Paperhanger,	Cutter ave.

HOSE AND CHEMICAL COMPANY NO. 7.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Arthur M. Gilman,	Aug. 19, 1866,	Lieutenant,	Fireman,	College ave.
Arthur C. Sellon,	July 15, 1863,	Driver,	Fireman,	Hancock st.
George R. Dale,	June 22, 1871,	Hoseman,	Fireman,	Josephine ave.
Harry G. White,	June 14, 1870,	Hoseman,	Electrician,	Hudson st.
Charles W. Hughes,	March 26, 1876,	Hoseman,	Painter,	Highland ave.
Alfred M. Pride,	Apr. 6, 1869,	Hoseman,	Carpenter,	Hudson st.

CHEMICAL ENGINE COMPANY A.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Wilfred Young,	Aug. 7, 1874,	Lieutenant,	Fireman,	Highland ave.
Frank L. Draper,	July 31, 1852,	Operator,	Fireman,	Chester ave.
Charles H. Timson,	May 27, 1859,	Driver,	Fireman,	Highland ave.

HOOK AND LADDER COMPANY NO. 1.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Melvin B. Ricker,	Aug. 30, 1841,	Captain,	Fireman,	Prospect st.
Herbert L. Webber,	Nov. 9, 1869,	Lieutenant,	Painter,	Columbus ave.
Richard F. Clarkson,	May 18, 1859,	Driver,	Fireman,	Homer sq.
William A. McLane,	Jan. 7, 1860,	Ladderman,	Engineer,	Clark st.
Patrick J. Follon,	March 3, 1859,	Ladderman,	Laborer,	School st.
James D. Perkins,	Nov. 25, 1858,	Ladderman,	Paperhanger,	Bow-st. pl.
James E. Thompson,	Sept. 1, 1869,	Ladderman,	Laborer,	Broadway.
John H. Ford,	July 16, 1859,	Ladderman,	Painter,	Oak st.
Frank H. Eaton,	Feb. 1, 1855,	Ladderman,	Clerk,	Prospect pl.
Charles A. Caswell,	Jan. 18, 1870,	Ladderman,	Teamster,	Webster ave.
John H. Foy,	May 16, 1867,	Ladderman,	Painter,	Somerville ave.
George A. Row,	Jan. 19, 1867,	Ladderman,	Teamster,	Granite st.
Charles M. Davis,	Dec. 5, 1878,	Ladderman,	Mason,	Washington st.
Israel Y. Hall,	June 24, 1878,	Ladderman,	Salesman,	Homer sq.

HOOK AND LADDER COMPANY NO. 2.

NAME.	BORN.	RANK.	OCCUPATION.	RESIDENCE.
Horace W. Hutchins,	Aug. 26, 1866,	Captain,	Fireman,	Hudson st.
Charles E. Shaw,	Oct. 13, 1857,	Lieutenant,	Paperhanger,	Eastman rd.
Harry F. Bucknam,	Sept. 21, 1872,	Driver,	Fireman,	Highland ave.
John E. Hill,	Dec. 25, 1845,	Ladderman,	Salesman,	Cherry st.
Clarence H. Alley,	March 16, 1869,	Ladderman,	Carpenter,	Highland ave.
Clarence T. Conant,	Dec. 10, 1868,	Ladderman,	Milkman,	Hudson st.
William J. Kennedy,	March 19, 1863,	Ladderman,	Plumber,	Alpine st.
LeBaron Emery,	May 11, 1859,	Ladderman,	Painter,	Alpine st.
John H. Givan,	June 9, 1865,	Ladderman,	Grocer,	Highland ave.
Charles F. Mills,	Aug. 26, 1876,	Ladderman,	Carpenter,	Alpine st.
Joseph E. Emery,	Aug. 2, 1870,	Ladderman,	Painter,	Alpine st.
David B. Nixon,	March 4, 1869,	Hoseman,	Painter,	Cedar st.
James A. Butler,	Oct. 29, 1881,	Hoseman,	Clerk,	Lowell st.
George A. Givan,	Oct. 8, 1863,	Hoseman,	Clerk,	Eastman rd.
Walter H. Thomas,	Nov. 12, 1850,	Hoseman,	Janitor,	Highland ave.

Respectfully submitted,

JAMES R. HOPKINS,

Chief Engineer.

REPORT OF THE CHIEF OF POLICE.

OFFICE OF THE CHIEF OF POLICE. }
January 2, 1905. }

To the Honorable, the Mayor, and Board of Aldermen of the
City of Somerville:—

Gentlemen,—I respectfully present herewith my report of
the work accomplished by the police department for the year
ending December 31, 1904.

Arrests.

Whole number of arrests made	1,640
Males	1,557
Females	83
	————— 1,640
Resident	973
Non-resident	667
	————— 1,640

Held for Trial.

Number held for trial for the following offences:—

Assault and battery	130
Bastardy	10
Breaking and entering	33
Contempt of court	2
Cruelty to animals	2
Drunkenness	854
Disturbing the peace	33
Evading railroad fare	1
Fraud	3
Fugitive from justice	1
Incest	1
Keeping for sale adulterated food	27
Keeping unlicensed dog	2
Keeping tenement for illegal gaming	2
Letting tenement for illegal gaming	1
Larceny	129
Malicious mischief	22
Neglected children	24
Neglect to support family	19
Peddling without license	18
Polygamy	2
Present where gambling implements were found	6
Promoting policy lottery	2
Receiving stolen property	3
Stubborn child	10
Threats	5
Vagrancy	10
Violation city ordinances	69
Violation health regulations	1
Violation liquor laws	16
Violation Lord's day	52
Walking on railroad track	42
Wilful trespass	41
	————— 1,573

Miscellaneous.

Number of on duty reports on signal system by patrolmen	226,520
Number of runs made with patrol wagon	981
Number of prisoners conveyed to station in patrol wagon	1,090
Number of miles run with patrol wagon	1,501
Number of telephone calls on signal system	10,635
Number of persons conveyed to and from hospital	356
Number of persons committed in default of fine, etc.	450
Number of search warrants for intoxicating liquors served	16
Number of buildings found open and secured	753
Number of defective streets reported	431
Number of obstructions in streets reported	114
Number of street light reports	2,299
Number of water pipes reported leaking	95
Number of larcenies reported	278
Value of property reported stolen	\$7,400
Value of property recovered	\$2,513

In General.

By an arrangement with Ernest W. Bailey, city engineer, the regular police officers have performed police duty on the public parks, but the expense has been paid from the appropriation for public grounds.

This system has been tried for the first time during the summer season of the past year, and if the service is to be continued, I would suggest that the expense be provided for and paid from the police account, and that additional patrolmen be appointed upon the force, so that the regular police officers would be relieved from doing extra duty on the parks.

The laborers' strike at the American Tube Works, which lasted six months, caused considerable extra duty on the part of the police patrolmen, which was performed in a manner that reflects credit upon themselves and the department.

The only changes for the year were an increase of three patrolmen, the resignation of Sergeant Arthur E. Keating, and the death of Christopher C. Cavanagh, who was drawing a salary as a retired police officer.

In conclusion, I wish to extend my sincere thanks to the Hon. Leonard B. Chandler, mayor, and to the board of aldermen for the kind treatment received at their hands in all police matters during the year. To the members of the department I extend thanks for their strenuous efforts to perform their duty and to earn the confidence and esteem of all good citizens.

Respectfully submitted,

MELVILLE C. PARKHURST,

Chief of Police.

REPORT OF SEALER OF WEIGHTS AND MEASURES.

OFFICE OF SEALER OF WEIGHTS AND MEASURES, }
City Hall Annex, Somerville, January 7, 1905. }

To His Honor, the Mayor, and the Board of Aldermen:—

The following report of the sealer of weights and measures for the year ending December 31, 1904, is respectfully submitted.

Section 21, chapter 62, of the Revised Laws provides that sealers of weights and measures shall annually give public notice, by advertisement or by posting in one or more public places in their respective cities and towns, notices to all inhabitants or persons having usual places of business therein who use weights, measures, or balances for the purpose of selling goods, wares, merchandise, or other commodities, or for public weighing, to bring in their weights, measures, and balances to be adjusted and sealed; such sealers shall attend in one or more convenient places, and shall adjust, seal, and record all weights, measures, and balances so brought in.

Section 34 of the same chapter provides that each sealer of weights and measures, including the county treasurer, shall receive a fee of one dollar for sealing each platform balance if 5,000 pounds or more, and fifty cents if weighing less than that amount, and three cents each for sealing all other weights, measures, scales, beams, or balances; he shall also have a reasonable compensation for all necessary repairs, alterations, and adjustments made by him.

When weights, measures, and balances are sealed, as provided in Section 21 (that is, brought to the office), no fee is charged for sealing.

In compliance with the foregoing Section 21, the customary notice was given by advertising in the Somerville Journal in March.

During the year the sealer visited all places in the city where goods were bought or sold, and tested and sealed all scales, weights, and measures which were found correct, and condemned all found beyond repair and useless. One hundred and fifty-seven scales, weights, and measures were adjusted before sealing, nine scales were tagged for repairs, four of which were repaired as ordered, and the remaining five put out of use.

Work done in the office during the year 1904 was as follows:—

Number of scales sealed	231	
Number of weights sealed	252	
Number of dry measures	586	
Number of glass milk jars sealed	80,447	
Number of tin milk cans sealed	3,530	
Number of coal baskets sealed	47	
	<hr/>	
Total number sealed in the office		85,093
Number of scales adjusted and sealed	38	
Number of weights adjusted and sealed	15	
Number of dry measures adjusted and sealed	2	
Number of liquid measures adjusted and sealed	3	
	<hr/>	
Total number adjusted and sealed		58
Number of scales tagged for repairs		1
Number of scales condemned	9	
Number of weights condemned	1	
Number of dry measures condemned	9	
Number of liquid measures condemned	1,992	
Number of coal baskets condemned	2	
	<hr/>	
Total number condemned		2,013
	<hr/>	
Total number of tests in the office		87,165
Work done outside of the office :—		
Number of scales sealed	1,148	
Number of weights sealed	3,630	
Number of dry measures sealed	1,050	
Number of liquid measures sealed	1,362	
Number of yard sticks sealed	107	
Number of coal baskets sealed	10	
	<hr/>	
Total number sealed		7,307
Number of scales adjusted and sealed	73	
Number of weights adjusted and sealed	24	
Number of liquid measures adjusted and sealed	2	
	<hr/>	
Total number sealed		99
Number of scales tagged	8	
Number of scales repaired as ordered	4	
	<hr/>	
Total number tagged and repaired		12
Number of scales condemned	2	
Number of weights condemned	1	
Number of dry measures condemned	47	
Number of liquid measures condemned	8	
Number of yard sticks condemned	2	
	<hr/>	
Total number condemned		60
	<hr/>	
Total number of tests outside of the office		7,478
	<hr/>	
Total number of tests in and out of the office		94,643

Receipts for the year 1904:—

Appropriation	\$1,100 00	
Received as fees for sealing	404 89	
Received as fees for adjusting	5 15	
	<hr/>	\$1,510 04

Expenditures for the year 1904:—

Printing, book, and supplies	\$77 95	
Amount paid helper	172 00	
Amount paid for team	222 50	
Salary of sealer	1,000 00	
	<hr/>	1,472 45
Unexpended balance		<hr/> \$37 59

JOHN H. DUSSEAUT,
Sealer of Weights and Measures.

REPORT OF THE CITY SOLICITOR.

Somerville, January 15, 1905.

To the Honorable, the Mayor, and the Board of Aldermen of the City of Somerville:—

The following is my report as city solicitor for the year 1904:—

The most important work in my department has been, as usual, that connected with legislation affecting the city as a part of the metropolitan district.

Under chapter 98 of the resolves of the legislature, a special committee investigated the advisability of the purchase by the metropolitan sewerage district of certain local sewers. At hearings before the committee, I appeared in opposition to such purchase, which, if made, would cause great expense to the city.

By chapter 426 of the acts of the legislature, a change was made in the method of apportioning the expenses of the metropolitan water district, whereby the share of each municipality, except Boston, was made to depend in part upon consumption. This change, according to tables prepared by the commissioners, is the least expensive to Somerville of all the changes proposed.

By chapter 445 of the acts of the legislature, the metropolitan park commission was authorized to build a dam across the Mystic river, at or near Cradock bridge, in Medford, and the state board of health was directed to report a method and plans for purifying Mystic river, Alewife brook, and the adjacent water courses, ponds, and drainage areas. This act was intended to supplement chapter 327 of the acts of 1903, under which Cambridge, Somerville, Arlington, and Belmont were authorized to make improvements in Alewife brook and its tributaries. The necessity of providing for the improvement of Mystic river and Alewife brook as a part of a general plan of improvement makes the problem a difficult one, not likely to be solved without delay and perhaps further legislation.

The city charter was amended by chapter 354 of the acts of the legislature, upon its acceptance by the voters, which provides that the mayor and the president of the board of aldermen shall be ex-officiis members of the school committee.

Cases in court have been disposed of as follows:—

A suit for \$5,000, brought by a laborer on account of injuries received from the caving in of the side of a trench in Medford street while he was at work for the water department, was tried before a jury in the superior court, and a verdict was given in his favor for \$520, being several hundred dollars less than the sum for which a settlement could have been made.

A suit for \$5,000, brought on account of injuries claimed to have been received by the plaintiff while driving in a wagon

on Thurston street, where a trench had recently been dug by the water department, was tried before a jury in the superior court, and resulted in a disagreement. The claim was afterward settled for \$850.

A suit for \$10,000, brought in the superior court for injuries claimed to have been received by reason of a defective sewer, was settled for \$300.

A suit brought by the city in the superior court on a drain-layer's bond, to recover \$325 paid on a judgment in a former action, was tried before a jury, and a verdict given in favor of the defendant. On motion by the city, the court set the verdict aside, and the case will be tried again.

A suit in the superior court for \$1,000, brought under chapter 210 of the acts of 1891, was disposed of without expense to the city.

A suit in the superior court for damages on account of a change of grade in Middlesex avenue was settled for \$150, and that sum was repaid the city under an agreement previously made with the metropolitan park commission.

Two suits in the superior court for damages on account of a change of grade in Sycamore street were settled for \$48.40 and \$153.29, respectively.

A suit in equity brought by the city to recover the expense of the support of a person in the Massachusetts hospital for dip-somaniacs and inebriates was tried in the superior court, and a decision was given against the city. A petition for a change of the law will probably be presented to the legislature in consequence of the decision in this case.

Two petitions for the construction of a bridge at Lowell street, over the Boston & Maine railroad tracks, were filed in December with the county commissioners.

A petition has been filed with the board of gas and electric light commissioners relating to the price of electricity furnished in the public buildings.

Very respectfully,

FRANK W. KAAH,

City Solicitor.

REPORT OF THE CITY CLERK.

OFFICE OF THE CITY CLERK, }
January 26, 1905. }

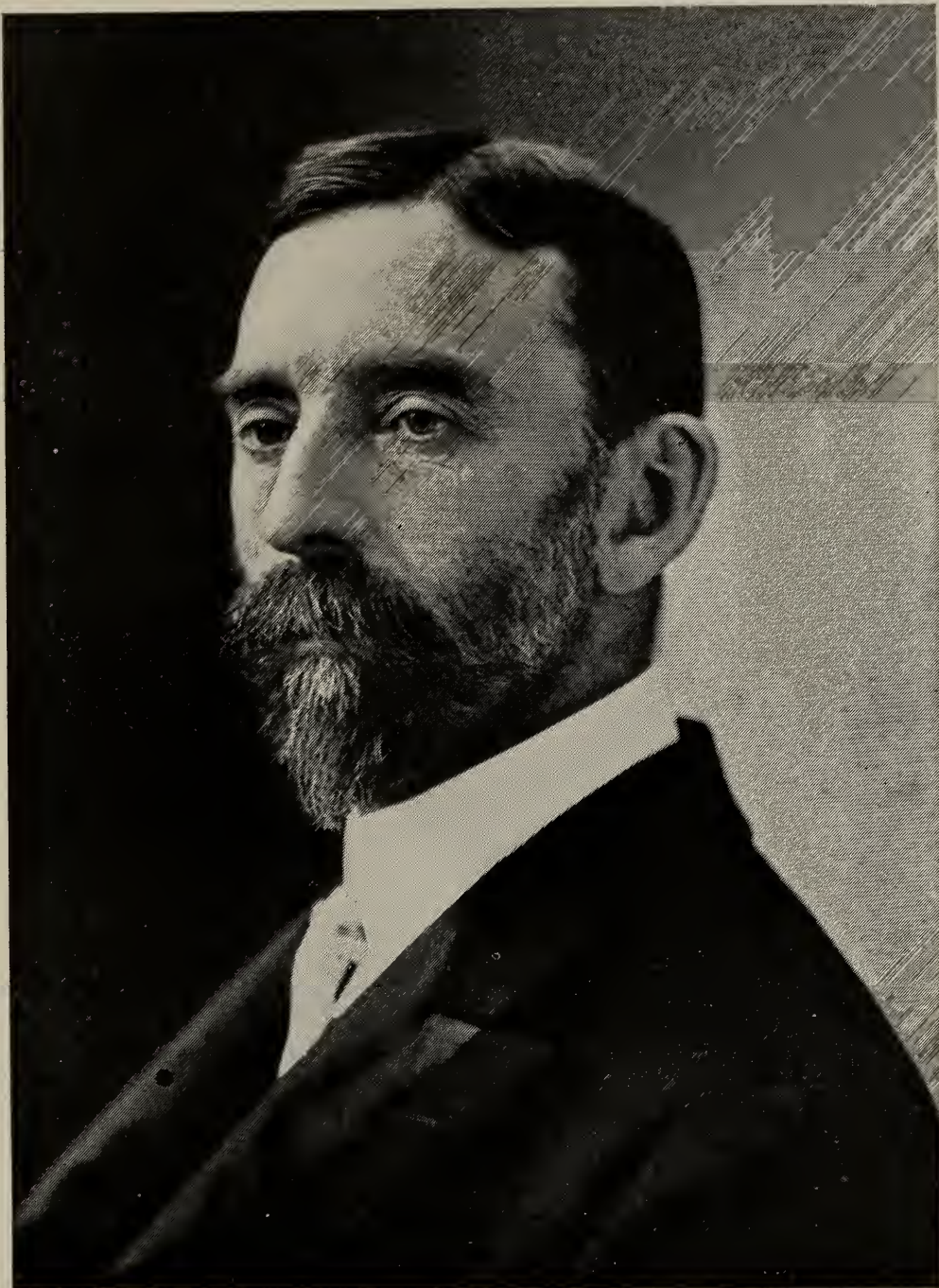
To the Honorable, the Mayor, and the Board of Aldermen:—

Gentlemen,—The following is respectfully submitted as the thirty-third annual report of the city clerk of the city of Somerville, and is for the year ending December 31, 1904.

The receipts and payments were as follows:—

Receipts.

Balance from year 1903, being for dog licenses issued in December, 1903:—		
2 males at \$2.00	\$4 00	
Less city clerk's fees paid to the treasurer in December, 1903, 2 at \$.20	40	
		\$3 60
For dog licenses issued in 1904:—		
1,524 males at \$2.00	\$3,048 00	
307 females at \$5.00	1,535 00	
46 spayed at \$2.00	92 00	
1 breeder's license at \$50.00	50 00	
3 breeders' licenses at \$25.00	75 00	
		4,800 00
Recording mortgages, assignments, etc., 853 papers	\$507 50	
Certificates of marriage intentions, 704 at \$.50	352 00	
Furnishing copies of records	53 50	
Licenses:—		
To collect junk, 33 at \$10.00	330 00	
For junk shop, 1 at \$25.00	25 00	
For billiard and pool tables and bowling alleys, 13 licenses, for 48 tables and 9 alleys, at \$2.00	114 00	
To private detectives, 2 at \$10.00	20 00	
To auctioneers, 24 at \$2.00	48 00	
To sell fireworks, 57 at \$1.00	57 00	
To keep intelligence offices, 14 at \$2.00	28 00	
For amusements, 25 at \$1.00 and 1 at \$50.00	75 00	
To street musicians, 38 persons at \$.50	19 00	
To slaughter cattle, 5 at \$1.00	5 00	
Recording and issuing liquor licenses, 35 at \$1.00	35 00	
Junk collectors' badges, 2 at \$.65	1 30	
Interest on deposits	12 27	
		1,682 57
Total receipts		<u>\$6,486 17</u>



GEORGE I. VINCENT
APPOINTED CLERK OF ASSESSORS MARCH, 1874.
ELECTED CITY CLERK FEBRUARY 28, 1888.
DIED FEBRUARY 5, 1905.

Payments.

To Joseph O. Hayden, county treasurer, June 1 and December 1, receipts for dog licenses from December 1, 1903, to November 30, 1904, both inclusive:—		
1,491 males at \$2.00	\$2,982 00	
298 females at \$5.00	1,490 00	
46 spayed at \$2.00	92 00	
1 breeder's license at \$50.00	50 00	
3 breeders' licenses at \$25.00	75 00	
	<hr/>	
	\$4,689 00	
Less city clerk's fees, 1,839 at \$.20	367 80	
	<hr/>	\$4,321 20
To the city treasurer, monthly:—		
City clerk's fees for issuing and recording dog licenses, 1,881 at \$.20	\$376 20	
All the receipts above specified, except for dog licenses	1,682 57	
	<hr/>	2,058 77
Total payments		<hr/>
		\$6,379 97
Balance January 1, 1905, being for dog li- censes issued in December:—		
35 males at \$2.00	\$70 00	
9 females at \$5.00	45 00	
	<hr/>	
	\$115 00	
Less city clerk's fees paid to the city treasurer, 44 at \$.20	8 80	
	<hr/>	\$106 20
		<hr/>

Licenses and Permits.

Besides the licenses mentioned in the foregoing list of receipts, licenses and permits have been granted by the board of aldermen, and issued without charge, as follows:—

Amusements, Somerville High School Athletic Association, base and football games (fees remitted)	32
Innholders	3
Common victuallers	39
Auctioneers (to veterans of the Civil war)	5
Drain layers	12
Newsboys	335
Newsboys' licenses revoked	11
To cry calling in streets:—	
Junk collectors	34
Umbrella menders	7
Umbrella mender and locksmith	1
To cry goods in streets	29
Number in addition granted but not called for	20
To ring bell in streets:—	
Ice cream venders	6
Number in addition granted but not called for	3
Scissors' sharpeners	7
Scissors' sharpener and clock repairer	1
To Socialist party to hold series of meetings on public grounds	1
To hold religious services on public grounds	1

To set up and use engines:—	
gas engine	2
steam engine	1
To blast rock or stone	8
To maintain projections over sidewalks:—	
signs	7
druggist's mortar sign	1
lights attached to buildings	5
bay windows	3
awning	1
To set and maintain hitching post	1
To place and maintain stepping block on outer edge of sidewalk	1
To erect and maintain posts in street, with guy wires attached, for use during erection of building	1
To construct coal-bin under sidewalk, with opening to same through sidewalk	1
To set post with gates attached, in curb line of street, at railroad crossing, outside railroad location	1
To change location of railroad track for private use across highway	1
To suspend campaign flags over streets	5
To move buildings through streets	3
To locate stable less than five feet from adjoining lot	2
To fire and drum corps to play on instruments while marching through streets (fee remitted)	1
To Somerville Fourth of July Association to use certain public grounds for the purpose of the celebration	1
For erection and use of tent on Central Hill park by post 139, G. A. R., during national encampment	1

Railway, Gas and Pole Locations.

Permission has been granted the West End Street Railway Company to lay double tracks in Summer street, from Bow street to School street, and to operate the same by means of the overhead single trolley electric system of motive power.

The Cambridge Gas Light Company and the Charlestown Gas and Electric Company have been granted permission to lay gas mains in sundry streets.

Permission has also been given the New England Telephone and Telegraph Company of Massachusetts and the Edison Electric Illuminating Company of Boston to erect poles for the support of wires in various streets; the company last named having succeeded to the business of the Somerville Electric Light Company.

In every case of such permission to use the streets, a suitable agreement for the protection of the interests of the city must be filed with the city clerk before the order can become operative.

Births.

Number of births (exclusive of still-births) in Somerville in 1904 registered	1,576
Less than previous year	50
Males	804
Females	772
	<hr/>
	1,576
Born of American parents	537
Born of foreign parents	684
Born of American father and foreign mother	193
Born of foreign father and American mother	150
Born of American mother and father of unknown nationality	5
Born of foreign mother and father of unknown nationality	7
	<hr/>
	1,573
Number of still-births in Somerville in 1904 registered	63
Number of births in other places in 1904 registered in Somerville	192
	<hr/>
	1,831
Number reported by both canvasser and physician or midwife	1,200
Number reported by canvasser alone	336
Number reported by physician or midwife	161
Number reported by clerk or registrar of other place and canvasser	37
Number reported by clerk or registrar of other place and physician	24
Number reported by clerk or registrar of other place, canvasser and physician	10
Number reported only by clerk or registrar of other place	20
Number of still-births taken from death records	18
Number of births found in death records and not otherwise reported	25
	<hr/>
	1,831
Number of cases of twins	15
Number of cases of triplets	1

Marriages.

Number of intention certificates issued in 1904	704
More than previous year	11
Marriages registered	736
More than previous year	3
Both parties American	401
Both parties foreign	161
American groom and foreign bride	96
Foreign groom and American bride	78
	<hr/>
	736 couples
First marriage of	1,308
Second marriage of	148
Third marriage of	16
	<hr/>
	736 couples

Deaths.

(Exclusive of still-births.)

Number of deaths in Somerville in 1904	964
More than previous year	9
Males	492
Females	472
	<hr/>
	964
Under ten years of age	260
10 and under 20 years of age	37
20 and under 30 years of age	60
30 and under 40 years of age	69
40 and under 50 years of age	89
50 and under 60 years of age	97
60 and under 70 years of age	133
70 and under 80 years of age	144
80 and under 90 years of age	63
90 years of age and over	12
	<hr/>
	964
Age of oldest person deceased	99 yrs. 5 mos.
Born in Somerville	264
Born in other places in the United States	401
Of foreign birth	299
	<hr/>
	964
Number of deaths in January	92
“ “ February	106
“ “ March	87
“ “ April	87
“ “ May	91
“ “ June	54
“ “ July	59
“ “ August	66
“ “ September	78
“ “ October	77
“ “ November	75
“ “ December	92
	<hr/>
	964

The number of still-births recorded during the year was sixty-three.

In addition to the above, 106 deaths which occurred elsewhere were recorded in Somerville, almost the entire number of persons deceased having been residents of this city.

Assessed Polls and Registered Voters.

MEN'S LISTS.

WARD.	PRECINCT.	As- sessed Polls, May 1, 1904.	REGISTERED VOTERS.							
			Nov. 25, 1903.	Re- vised Lists of Aug. 1, 1904.	Added in Sept. and Oct., 1904.	Oct. 19, 1904.	Added in Nov., 1904.	Dec. 1, 1904.	Voted Nov. 8, 1904.	Voted Dec. 13, 1904.
Ward 1 . .	Precinct 1 . . .	1,262	752	653	86	739	4	743	636	494
" 1 . .	" 2 . . .	548	345	297	32	329	2	331	283	215
" 1 . .	" 3 . . .	543	359	325	57	382	3	385	332	300
" 1 . .	" 4 . . .	683	415	348	41	389	1	390	360	301
		3,036	1,871	1,623	216	1,839	10	1,849	1,611	1,310
Ward 2 . .	Precinct 1 . . .	1,059	492	423	27	450	3	453	375	311
" 2 . .	" 2 . . .	1,297	624	550	50	600	3	603	501	355
" 2 . .	" 3 . . .	863	472	425	33	458	3	461	359	286
		3,219	1,588	1,398	110	1,508	9	1,517	1,235	952
Ward 3 . .	Precinct 1 . . .	991	671	637	55	692	—2	690	597	363
" 3 . .	" 2 . . .	1,184	772	698	59	757	2	759	644	386
		2,175	1,443	1,335	114	1,449	0	1,449	1,241	749
Ward 4 . .	Precinct 1 . . .	1,274	747	698	118	816	2	818	713	447
" 4 . .	" 2 . . .	905	604	542	100	642	0	642	557	357
		2,179	1,351	1,240	218	1,458	2	1,460	1,270	804
Ward 5 . .	Precinct 1 . . .	1,200	809	742	76	818	4	822	706	388
" 5 . .	" 2 . . .	657	411	377	47	424	3	427	361	199
" 5 . .	" 3 . . .	875	477	439	45	484	6	0	436	258
		2,732	1,697	1,558	168	1,726	13	1,739	1,503	845
Ward 6 . .	Precinct 1 . . .	1,451	776	798	107	905	1	906	766	520
" 6 . .	" 2 . . .	1,156	1,100	586	117	703	2	705	610	471
" 6 . .	" 3 . . .	719	....	350	93	443	8	451	380	323
		3,326	1,876	1,734	317	2,051	11	2,062	1,756	1,314
Ward 7 . .	Precinct 1 . . .	1,129	661	602	100	702	1	703	621	392
" 7 . .	" 2 . . .	1,529	859	775	118	893	10	903	777	441
		2,658	1,520	1,377	218	1,595	11	1,606	1,398	833
City . . .	. . . . .	19,325	11,346	10,265	1,361	11,626	56	11,682	10,014	6,807

WOMEN'S VOTING LISTS.

WARD.	PRECINCT.	Nov. 25, 1903.	Revised Lists of Aug. 1, 1904.	Added in Sept. and Oct., 1904.	October 19, 1904.	Added in Nov., 1904.	Dec. 1, 1904.	Voted Decem- ber 13, 1904.
Ward 1 . . .	Precinct 1 .	22	22	2	24	1	25	5
" 1 . . .	" 2 .	5	5	..	5	..	5	..
" 1 . . .	" 3 .	10	9	..	9	..	9	..
" 1 . . .	" 4 .	1	0	..	..	..	..	..
		38	36	2	38	1	39	5
Ward 2 . . .	Precinct 1 .	5	3	..	3	..	3	..
" 2 . . .	" 2 .	5	5	..	5	..	5	..
" 2 . . .	" 3 .	1	1	..	1	..	1	1
		11	9	..	9	..	9	1
Ward 3 . . .	Precinct 1 .	28	26	..	26	7	33	7
" 3 . . .	" 2 .	60	52	-1	51	..	51	5
		88	78	-1	77	7	84	12
Ward 4 . . .	Precinct 1 .	21	19	..	19	2	21	3
" 4 . . .	" 2 .	21	19	1	20	..	20	2
		42	38	1	39	2	41	5
Ward 5 . . .	Precinct 1 .	51	46	..	46	2	48	5
" 5 . . .	" 2 .	10	9	..	9	2	11	2
" 5 . . .	" 3 .	12	11	..	11	..	11	1
		73	66	..	66	4	70	8
Ward 6 . . .	Precinct 1 .	42	42	1	43	1	44	3
" 6 . . .	" 2 .	30	22	-1	21	..	21	..
" 6 . . .	" 3 .	..	4	..	4	-1	3	2
		72	68	..	68	..	68	5
Ward 7 . . .	Precinct 1 .	50	46	7	53	42	95	57
" 7 . . .	" 2 .	66	62	8	70	41	111	73
		116	108	15	123	83	206	130
City . . .	. . . . .	440	403	17	420	97	517	166

Elections.

The following is a statement of the votes cast, in the several wards of the city, for the candidates first named in the lists of candidates of the several parties for electors of president and vice-president of the United States, and of the votes cast for the candidates for the various offices and on the question submitted to the voters, at the state election held November 8, 1904:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
PRESIDENTIAL ELECTORS.									
Frederick A. Nagler,	Socialist Labor,	4	8	4	3	4	8	1	32
John Eills,	Socialist,	31	33	26	27	34	39	25	213
Patrick A. Collins,	Democratic,	570	729	231	244	417	477	216	2,884
William W. Crapo.	Republican,	873	392	928	921	984	1,147	1,084	6,329
Napoleon B. Johnson,	Prohibition,	25	4	16	26	9	27	30	137
E. Gerry Brown,	People's Party,	3	1	....	4	5	5	5	23
Patrick Collins,		1	....	....	....	....	....	....	1
Blank,		104	68	36	45	50	53	37	393
GOVERNOR.									
John Quincy Adams.	Socialist,	23	22	21	20	28	32	19	165
John L. Bates,	Republican,	691	258	776	773	839	932	896	5,165
Michael T. Berry,	Socialist Labor,	5	10	3	3	6	5	4	36
Oliver W. Cobb,	Prohibition,	13	2	7	19	9	25	12	87
William L. Douglas,	Democratic,	776	886	387	406	566	694	429	4,144
Albion A. Perry,		....	....	....	....	1	....	....	1
Blank,		103	57	47	49	54	68	38	416
LIEUTENANT-GOVERNOR.									
Olof Bokelund,	Socialist,	29	32	22	27	30	33	31	204
John C. Crosby,	Democratic,	594	748	263	274	450	522	278	3,129
Frank P. Dyer,	Prohibition,	21	2	13	17	14	20	26	113
Curtis Guild, Jr.,	Republican,	760	294	846	842	903	1,033	961	5,639
Moritz E. Ruther,	Socialist Labor,	4	18	3	2	5	8	4	44
Blank,		203	141	94	108	101	140	98	885
SECRETARY.									
James A. Bresnahan,	Socialist Labor,	13	27	12	3	7	18	11	91
Fannie J. Clary,	Prohibition,	17	2	7	14	9	19	24	92
Charles C. Hitchcock,	Socialist,	28	26	22	31	71	39	37	254
Henry B. Little,	Democratic,	497	679	204	186	325	400	187	2,478
William M. Olin,	Republican,	786	298	879	872	953	1,062	1,017	5,867
Blank,		270	203	117	164	138	218	122	1,232
TREASURER AND RECEIVER GENERAL.									
Hubert C. Bartlett,	Socialist,	34	33	32	39	35	39	34	246
Arthur B. Chapin,	Republican,	780	314	862	848	937	1,078	993	5,812
Edmund D. Codman,	Democratic,	493	663	209	188	374	410	200	2,537
Andrew Mortensen,	Socialist Labor,	20	23	8	7	11	11	12	92
Willard O. Wylie,	Prohibition,	16	5	11	21	11	20	19	103
Blank,		268	197	119	167	135	198	140	1,224
AUDITOR.									
Charles E. Burnham,	Prohibition,	19	5	11	16	13	22	24	110
Walter J. Hoar,	Socialist Labor,	14	21	8	7	12	14	7	83
Charles Stevens,	Socialist,	39	34	32	38	37	44	37	261
Francis X. Tetrault,	Democratic,	491	665	198	170	361	390	186	2,461
Henry E. Turner,	Republican,	776	305	864	865	928	1,082	999	5,819
G. A. Gordon,		....	....	....	....	....	1	....	1
Blank,		272	205	128	174	152	203	145	1,279

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
ATTORNEY-GENERAL.									
Henry M. Dean,	Prohibition,	21	28	11	23	10	28	25	146
John P. Leahy,	Democratic,	483	664	193	168	349	383	211	2,451
Herbert Parker,	Republican,	793	319	873	870	942	1,099	996	5,892
John Weaver Sherman,	Socialist,	33	32	29	40	57	47	33	271
Thomas Stevenson,	Socialist Labor,	9	20	12	2	9	5	10	67
Blank, .		272	172	123	167	136	194	123	1,187
REPRESENTATIVE IN CONGRESS.									
Samuel W. McCall,	Republican,	917	533	981	964	1,094	1,279	1,144	6,912
Thomas A. Scott,	Socialist,	109	146	66	70	94	115	67	667
F. Q. Harrington,		....	....	....	....	1	....	....	1
Edward Glines,		....	....	....	....	1	1	....	2
Blank,		585	556	194	236	313	361	187	2,432
COUNCILLOR.									
George Keefe,	Socialist,	43	50	31	40	37	49	35	285
Warren W. Rawson,	Republican,	776	314	854	847	912	1,067	1,001	5,771
George A. Sanderson,	Democratic,	437	602	187	168	348	371	173	2,286
Blank,		355	269	169	215	206	269	189	1,672
SENATOR.									
Charles P. Lincoln,	Democratic,	456	622	187	189	359	376	179	2,368
John D. Rusden,	Socialist,	43	42	40	46	42	51	41	305
John M. Woods,	Republican,	794	335	855	865	937	1,047	993	5,826
John J. Higgins,		....	....	....	....	1	....	....	1
Blank,		318	236	159	170	164	282	185	1,514
REPRESENTATIVE, SIXTH DIST.									
Samuel Newton Cutler,	Republican,	800	....	....	....	....	....	....	800
John Diggins,	Democratic,	711	....	....	....	....	....	....	711
John T. Rockett,	Socialist,	25	....	....	....	....	....	....	25
Blank,		75	....	....	....	....	....	....	75
REPRESENTATIVES, 7TH DIST. (3)									
Charles E. Blaisdell,	Socialist,	....	55	51	....	....	67	54	227
Joseph Cummings,	Democratic,	....	605	183	....	....	371	181	1,340
Robert Luce,	Republican,	....	290	835	....	....	1,046	961	3,132
Richard Pigott,	Socialist,	....	40	38	....	....	51	36	165
Bernard D. Sliney,	Socialist,	....	46	40	....	....	50	35	171
Elmer A. Stevens,	Republican,	....	266	816	....	....	1,029	994	3,105
Arthur P. Vinal,	Republican,	....	339	866	....	....	1,039	974	3,218
Lawrence J. Ward,	Democratic,	....	579	162	....	....	336	155	1,232
Frederick J. White,	Democratic,	....	592	174	....	....	349	158	1,273
Blank,		....	893	658	....	....	930	646	3,027
REPRESENTATIVE, EIGHTH DIST.									
William H. Cushman,	Republican,	....	....	....	876	929	....	....	1,805
Douglas B. Foster,	Democratic,	....	....	....	178	369	....	....	547
Charles W. White,	Socialist,	....	....	....	53	43	....	....	96
Jesse D. Newcomb,		....	....	....	....	1	....	....	1
Blank,		....	....	....	163	161	....	....	324

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
COUNTY COMMISSIONER.									
Francis Bigelow,	Republican,	789	298	852	871	945	1,090	1,024	5,869
Charles F. Drury,	Socialist,	42	39	44	57	81	48	44	355
James E. Kelley,	Democratic.	460	636	182	148	296	356	149	2,227
Blank,		320	262	163	194	181	262	181	1,563
ASSOCIATE COMMISSIONERS.									
Laughlin Cameron,	Socialist,	93	145	68	64	93	116	65	644
Embert E. Hopkins,	Socialist,	118	177	80	70	98	167	81	791
David T. Strange,	Republican,	681	323	820	755	872	1,036	976	5,463
Edward Everett Thompson,	Republican,	615	306	771	632	747	962	908	4,941
P. H. Ryan,		....	....	....	....	1	...	....	1
J. James J. Muldoon,		....	1	....	....	....	....	....	1
J. P. Burke,		....	....	....	....	1	....	....	1
Blank,		1,715	1,518	743	1,019	1,194	1,231	766	8,186
DISTRICT ATTORNEY.									
John J. Devine,	Democratic,	447	614	166	144	311	329	146	2,157
Squire E. Putney,	Socialist,	59	67	56	64	58	89	54	447
George A. Sanderson,	Republican,	792	302	862	862	944	1,080	1,011	5,853
Blank,		313	252	157	200	190	258	187	1,557
SHERIFF.									
Frederick Bancroft,	Democratic,	460	614	189	154	342	356	149	2,264
John R. Fairbairn,	Republican,	801	336	863	861	938	1,102	1,017	5,918
John L. Mulholland,	Socialist,	54	66	43	62	46	58	57	386
Blank,		296	219	146	193	177	240	175	1,446
ACCEPTANCE of Chapter 354, Acts of 1904, entitled "An Act relative to the School Committee of the City of Somerville."									
Number of "Yes" votes,		360	260	344	352	408	446	354	2,524
Number of "No" votes,		207	206	185	126	198	237	184	1,343
Blank,		1,044	769	712	792	897	1,073	860	6,147

The following is a statement of the votes cast in the several wards of the city for the candidates for the various offices, and on the question of granting liquor licenses, at the city election held December 13, 1904:—

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
MAYOR.									
Leonard B. Chandler,	Republican,	787	248	564	641	527	935	685	4,387
Stephen H. Davis,	Socialist,	14	21	15	27	20	35	42	174
Michael W. White,	Democratic,	446	657	146	112	257	269	74	1,961
James Wilson,		....	....	....	....	....	1	....	1
Robert Luce,		....	....	....	....	1	....	....	1
Richard Van Ummerson,		....	....	....	....	....	1	....	1
Charles A. Grimmons,		....	....	....	....	....	2	....	2
Blank,		63	26	24	24	40	71	32	280
ALDERMAN-AT-LARGE, WARD 1.									
Charles F. Gilman,	Democratic,	421	537	115	112	231	214	63	1,693
John T. Rockett,	Socialist,	18	28	17	24	26	34	27	174
Elmer H. Spaulding,	Republican,	736	194	547	572	500	783	600	3,932
Blank,		135	193	70	96	88	283	143	1,008
ALDERMAN-AT-LARGE, WARD 2.									
Francis F. Bowen,	Democratic,	341	511	90	91	222	198	63	1,516
Nicholas H. Flynn,	Socialist,	15	40	18	24	29	35	20	181
William H. Smith,	Republican,	636	289	556	577	498	773	606	3,935
A. B. Higgins,		....	1	....	....	....	....	....	1
Blank,		318	111	85	112	96	308	144	1,174
ALDERMAN-AT-LARGE, WARD 3.									
William F. Barker,	Republican,	659	259	575	586	522	796	604	4,001
William Heine,	Socialist,	79	148	62	43	84	65	43	524
C. A. Page,		....	1	....	....	....	....	....	1
Blank,		572	544	112	175	239	453	186	2,281
ALDERMAN-AT-LARGE, WARD 4.									
Francis P. Cooper,	Socialist,	116	146	44	54	86	71	41	558
Herbert I. Loughton,	Republican,	624	251	558	629	513	782	606	3,963
Blank,		570	555	147	121	246	461	186	2,286
ALDERMAN-AT-LARGE, WARD 5.									
John J. Higgins,	Republican,	651	257	543	569	565	732	561	3,878
George Sautter,	Socialist,	84	140	54	57	98	89	60	582
Blank,		575	555	152	178	182	493	212	2,347
ALDERMAN-AT-LARGE, WARD 6.									
John S. Colbert,	Democratic,	316	512	80	86	212	165	49	1,420
Samuel J. Holzwasser,	Socialist,	20	26	23	20	26	30	24	169
John F. Thompson,	Republican,	616	202	540	570	498	913	597	3,936
Blank,		358	212	106	128	109	206	163	1,282
ALDERMAN-AT-LARGE, WARD 7.									
Walter A. Dow,	Republican,	634	330	543	554	536	745	685	4,027
Richard Pigott,	Socialist,	78	108	42	46	66	68	57	465
F. O. J. Tarbox,		....	....	....	....	2	....	....	2
Blank,		598	514	164	204	241	501	91	2,313

CANDIDATE.	PARTY.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
WARD ALDERMEN (2) WARD 1.									
David B. Armstrong,	Republican,	656	....	....	....	....	....	....	656
Martin M. Breen,	Democratic,	442	....	....	....	....	....	....	442
William T. Gill,	Repub. Ind.	200	....	....	....	....	....	....	200
Walter P. Scott,	Democratic,	384	....	....	....	....	....	....	384
Thomas W. Sutherland,	Republican,	663	....	....	....	....	....	....	663
Blank,		275	....	....	....	....	....	....	275
WARD ALDERMEN (2) WARD 2.									
Jacob Berman,	Socialist,	....	34	....	....	....	....	....	34
William A. Flaherty,	Democratic,	....	624	....	....	....	....	....	624
Joseph P. Phillips,	Democratic,	....	613	....	....	....	....	....	613
Bernard L. Sliney,	Socialist,	....	42	....	....	....	....	....	42
Wm. H. J. Thompson,	Republican,	....	185	....	....	....	....	....	185
George A. Wilson,	Republican,	....	155	....	....	....	....	....	155
Blank,		....	251	....	....	....	....	....	251
WARD ALDERMEN (2) WARD 3.									
William M. Armstrong,	Republican,	....	....	587	....	....	....	....	587
Leonard W. Cole,	Republican,	....	....	548	....	....	....	....	548
Blank,		....	....	363	....	....	....	....	363
WARD ALDERMEN (2) WARD 4.									
Charles A. Cashdollar,	Socialist,	....	....	....	29	....	....	....	29
John J. Dellea,	Democratic,	....	....	....	84	....	....	....	84
Henry T. Gallishaw,	Democratic,	....	....	....	83	....	....	....	83
Sidney B. Keene,	Republican,	....	....	....	596	....	....	....	596
John L. Murdock,	Socialist,	....	....	....	31	....	....	....	31
David C. Theall,	Republican,	....	....	....	595	....	....	....	595
Blank,		....	....	....	190	....	....	....	190
WARD ALDERMEN (2) WARD 5.									
Lewis N. Gilman,	Socialist,	....	....	....	....	78	....	....	78
George S. Lovejoy,	Republican,	....	....	....	....	539	....	....	539
Jesse S. Newcomb,	Republican,	....	....	....	....	521	....	....	521
Frederick W. Wolffer,	Socialist,	....	....	....	....	79	....	....	79
Patrick H. Ryan,		....	....	....	....	11	....	....	11
Blank,		....	....	....	....	462	....	....	462
WARD ALDERMEN (2) WARD 6.									
Charles E. Blaisdell,	Socialist,	....	....	....	....	....	35	....	35
William R. Boyle,	Democratic,	....	....	....	....	....	290	....	290
Charles W. Eldridge,	Republican,	....	....	....	....	....	523	....	523
Chester S. McFarland,	Republican,	....	....	....	....	....	646	....	646
John D. Rusden,	Socialist,	....	....	....	....	....	23	....	23
Frank D. Wilkins,	Repub. Ind.,	....	....	....	....	....	712	....	712
Blank,		....	....	....	....	....	399	....	399
WARD ALDERMEN (2) WARD 7.									
Zebedee E. Cliff,	Republican,	....	....	....	....	....	....	680	680
James Davis,	Republican,	....	....	....	....	....	....	648	648
Blank,		....	....	....	....	....	....	338	338
SCHOOL COMMITTEE (2 yrs.) WARD 1.									
William W. Kennard,	Dem. Rep.,	788	....	....	....	....	....	....	788
Blank,		527	....	....	....	....	....	....	527
SCHOOL COMMITTEE (2 yrs.) WARD 2.									
John H. Brown,	Republican,	....	163	....	....	....	....	....	163
Thomas M. Clancy,	Dem. Ind.,	....	323	....	....	....	....	....	323
John H. O'Neil,	Democratic,	....	398	....	....	....	....	....	398
Frederick E. Zenone,	Socialist,	....	17	....	....	....	....	....	17
Blank,		....	52	....	....	....	....	....	52

CANDIDATE.	Party.	WARDS.							TOTAL.
		1	2	3	4	5	6	7	
SCHOOL COMMITTEE (2 yrs.) WARD 3.									
Wilbur S. Clarke,	Republican,	....	....	603	....	....	....	....	603
Alfred C. Ashton,		....	....	1	....	....	....	....	1
Blank,		....	....	157	....	....	....	....	157
SCHOOL COMMITTEE (2 yrs.) WARD 4.									
William P. Jones,	Dem. Repub.,	....	....	....	666	....	....	....	666
Charles W. White,	Socialist,	....	....	....	56	....	....	....	56
Blank,		....	....	....	87	....	....	....	87
SCHOOL COMMITTEE (2 yrs.) WARD 5.									
Albert E. Hughes,	Democratic,	....	....	....	....	234	....	....	234
John Walter Sanborn,	Republican,	....	....	....	....	550	....	....	550
Blank,		....	....	....	....	69	....	....	69
SCHOOL COMMITTEE (2 yrs.) WARD 6.									
George W. Hayes,	Democratic,	....	....	....	....	....	207	...	207
Charles Harvey Hood,	Republican,	....	....	....	....	....	855	....	855
Squire E. Putney,	Socialist,	....	....	....	....	....	47	....	47
Blank,		....	....	....	....	....	210	....	210
SCHOOL COMMITTEE (2 yrs.) WARD 7.									
Henrietta B. H. Attwood,	Dem. Rep.,	....	....	...	....	....	....	809	809
Blank,		....	....	....	....	....	....	154	154
Shall liquor licenses be granted?									
Number of " Yes " votes,		460	577	166	141	251	319	110	2,022
Number of " No " votes,		728	279	557	624	562	895	693	4,338
Blank,		122	98	26	39	32	100	30	447

The number voting at the state and city elections will be found in the foregoing tables of the men's and women's voting lists.

Liquor License Question.

The statement of the votes during the several years of its submission to the people on the question of granting licenses for the sale of intoxicating liquors in this city is continued in this report.

The power of the board of aldermen to grant licenses of the sixth and seventh classes is not affected by the vote on this question. In fact, the law provides that the board shall annually grant one or more licenses of the sixth class. These two classes are defined as follows:—

Sixth Class,—Licenses to retail druggists and apothecaries to sell liquors of any kind for medicinal, mechanical, or chemical purposes only, and to such persons only as may certify in writing for what use they want them.

Seventh Class,—Licenses to dealers in paints or in chemicals to sell alcohol for mechanical, manufacturing, or chemical purposes only.

The following is a statement of the votes on the question, the number of registered voters, and the estimated population in the several years:—

YEAR.	YES.	NO.	BLANK.	REGISTERED VOTERS.	ESTIMATED POPULATION.
1881	979	1,222		3,678	26,000
1882	627	1,159		3,778	26,500
1883	767	1,343		4,407	27,000
1884	806	1,709		4,470	28,000
1885	428	1,604		3,969	*29,992
1886	214	1,321		4,089	32,000
1887	555	2,427		4,574	34,000
1888	744	2,456		5,399	36,000
1889	635	1,706	335	5,286	39,000
1890	999	2,282	409	5,556	*40,117
1891	1,054	2,598	279	5,938	43,000
1892	1,427	3,288	347	7,587	46,000
1893	1,547	2,654	218	7,943	48,000
1894	1,098	2,869	246	8,007	50,000
1895	1,854	4,708	459	8,410	*52,200
1896	1,466	3,680	332	9,379	54,000
1897	1,626	3,815	486	8,925	56,000
1898	1,595	3,501	486	8,657	57,500
1899	1,892	3,340	374	8,838	60,000
1900	1,660	3,427	321	9,620	*61,643
1901	1,579	3,295	374	9,499	63,500
1902	1,645	3,242	360	10,100	65,000
1903	2,248	4,410	550	11,346	67,000
1904	2,022	4,338	447	11,682	69,500

* Census.

Joint Caucuses of Primaries.

The operation of the primary elections act, which was accepted by the voters at the state election held last year, has caused a large addition to the work and the expense of this department. Briefly stated, the effect of the act is to make the Boston caucus law applicable in all cities accepting the act, and to have the caucuses of all political parties held at the same time and place, and conducted the same as an election. The law worked as smoothly as could be expected the first year. The ballots for the state primaries were of necessity somewhat complicated, and the large number of names on the ballots made the work of the election officers quite arduous; consequently, the returns from some of the wards came in late. At the city primaries the ballots were much simpler, additional facilities were provided for issuing ballots, and the work was conducted in such a manner as to leave nothing to be desired. With the benefit of this year's experience, I am satisfied that, so far as the convenience of the voters is concerned, the law can be so administered as to give general satisfaction.

Some minor changes in the law are desirable, and a committee of the Massachusetts City Clerks' Association has petitioned the legislature for amendments which have been embodied in a bill.

The cost to this department on account of the primaries, covering the pay of the primary officers, printing, advertising, stationery and other supplies, care and repair of ballot boxes, and carriage hire, was about \$2,250, and the cost to the department of the commissioner of public buildings, covering hall rentals and fitting up of polling places, was \$231.43; making the total cost about \$2,500.

Semi-Centennial and Prospect-hill Park.

During the past year the materials have been collected in this department for statements of the observance of the semi-centennial of Somerville, which took place in the year 1892, and of the acquiring, laying out, construction, and dedication of Prospect-hill park. The former event was a citizens' demonstration, and an account thereof was to have been prepared by a subcommittee of the citizens' committee, but nothing having been published, it seemed advisable that the matter receive attention at the hands of the city authorities. An order has recently been adopted by the board of aldermen for the publication of these statements, which will be done as soon as the work of the office will permit.

GEORGE I. VINCENT,
City Clerk.

ORDINANCES.

Somerville, March 7, 1905.

The following ordinances have been adopted since the printing of the annual reports for the year 1903.

FREDERIC W. COOK,
City Clerk.

No. 47.

An Ordinance Concerning Explosives on Street Railway Tracks.

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No person shall drop, place, or throw, or cause to be dropped, placed, or thrown, any explosive substance on any street railway track in any street of this city.

Section 2. Any person violating any provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offense.

Section 3. This ordinance shall take effect upon its passage.

Approved June 24, 1904.

No. 48.

An Ordinance to Amend Chapter Twenty of the Revised Ordinances of 1900, Entitled "Construction of Buildings."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Section one of chapter twenty of the Revised Ordinances of 1900 is hereby amended by striking out all after the words, "being complied with," so that the section shall read as follows: Section 1. The commissioner of public buildings, in his capacity as inspector of buildings, shall examine all buildings in course of erection, alteration, or repair, to ascertain if the requirements of the law and ordinances are being complied with.

Section 2. Section five of the said chapter twenty is hereby amended by inserting after the words, "land on which it is to be placed," the words: and shall file, with such notice, plans and specifications of the building, satisfactory to said inspector; and the said section five is hereby further amended by striking out, after the said words, "land on which it is to be placed," the entire sentence beginning with the words, "Plans of every building," and ending with the words, "shall be retained by him," so that the said section as amended shall read as follows: Section 5. Every person intending to erect, alter, or add to a building shall, at least seven days before beginning work thereon, give a written notice of his intention to the inspector of buildings, stating the dimensions and materials of the proposed structure, the exact purpose for which it is intended to be used, the precise location, and the name of the owner of the land on which it is to be placed, and shall file, with such notice, plans and specifications of the buildings, satisfactory to said inspector. No building shall be erected nor shall the construction of any building be

commenced, and no work, except necessary repairs, shall be done upon any wall, structure, or building without a permit from the inspector of buildings. No permit shall be granted for the erection of a building for the storage, keeping, manufacture, or refining of crude petroleum or any of its products, unless the board of aldermen has granted a license therefor, prescribing the place where such building shall be erected, and the particular location, materials, and construction thereof, with such regulations as to the height of chimneys, dimensions of buildings, and protection against fire, as it shall deem necessary for the safety of the neighborhood. A full set of the plans and specifications of every public building hereafter erected by the city, and of every alteration in a public building, provided any plans and specifications are made of such alteration, shall be deposited in the office of the inspector of buildings.

Section 3. Section twelve of said chapter twenty is hereby amended by inserting, at the beginning thereof, the following: All masonry, whether in foundation, external or party walls, chimneys, flues, or other construction, shall be laid in a manner satisfactory to the inspector of buildings; so that the said section as amended shall read as follows: Section 12. All masonry, whether in foundation, external or party walls, chimneys, flues, or other construction, shall be laid in a manner satisfactory to the inspector of buildings. No round or boulder stone shall be used in the construction of any foundation wall or foundation.

Section 4. Section twenty-four of said chapter twenty is hereby amended by striking out all after the words, "dividing partitions," and inserting instead thereof the following: of some suitable non-combustible material, satisfactory to the inspector of buildings; so that the said section as amended shall read as follows: Section 24. All buildings heretofore constructed, which shall be hereafter changed or altered for two families to reside on the same floor, shall have dividing partitions of some suitable non-combustible material, satisfactory to the inspector of buildings.

Approved July 1, 1904.

No. 49.

An Ordinance to Amend Chapter 15 of the Revised Ordinances of 1900, Entitled "Highways."

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. Chapter 15 of the Revised Ordinances of 1900 is hereby amended by adding thereto the following: Section 45. Whenever a street, or any part thereof, is to be re-surfaced, or a new street constructed, the street commissioner shall, at least two weeks before such work is begun, notify the head of the sewer department, the head of the water department, the gas light company, the electric light company, the street railway company, and any other person having rights under the surface of such street. The notice shall state where such work is to be done, when it is intended to begin such work, and shall request said departments, corporations, and persons to consult and arrange with the street commissioner if they have any work to be done in such street, in order that such work may be done before the surface of said street is again prepared for and opened to public travel. After such notice has been given, said departments, corporations, or persons shall not be permitted to open said street for a period of at least one year after the street has been constructed, or again opened to public travel; except in a case of actual necessity certified to and approved by the mayor.

Section 2. This ordinance shall take effect upon its passage.

Approved November 14, 1904.

No. 50.**An Ordinance Relating to the Transportation of Explosives and Gunpowder.**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No explosive or gunpowder shall be transported through any portion of a street unless notice has first been given in writing to the chief of the police department, stating the proposed route, the time of transportation, and the gunpowder or explosive intended to be transported, nor unless his approval in writing has first been obtained.

Section 2. No explosive or gunpowder shall be transported through any portion of a street unless packed in the manner previously approved in writing by the chief of the police department, nor unless each package is marked plainly on at least three sides with the name of the contents and the words "Explosive" and "Dangerous."

Section 3. No vehicle shall be used for the transportation of any explosive or gunpowder through any portion of a street except a vehicle previously approved in writing by the chief of the police department, and bearing on the outside of both sides, in letters at least four inches high, the words "Explosive" and "Dangerous."

Section 4. No person shall allow a vehicle containing any explosive or gunpowder to be left without some one in charge, or to move faster than at the rate of four miles an hour.

Section 5. The powers and duties given the chief of the police department by this ordinance may be exercised and performed by any member of the department designated by him in writing for that purpose.

Section 6. The word "Gunpowder" as used in this ordinance shall be understood to mean gunpowder exceeding in quantity twenty-five pounds.

Section 7. The word "Explosive" as used in this ordinance shall be understood to include gun cotton, nitroglycerine, or any compound thereof, and any fulminate or any substance intended to be used by exploding or igniting the same to produce a force to propel missiles or to rend apart substances, except gunpowder.

Section 8. Whoever violates any provision of this ordinance relating to any explosive shall be liable to a penalty of not more than fifty dollars for each offense.

Section 9. Whoever violates any provision of this ordinance relating to gunpowder shall be liable to a penalty of not more than twenty dollars for each offense.

Section 10. Section 5 of chapter 33 of the Revised Ordinances of 1900 is hereby repealed.

Section 11. This ordinance shall take effect upon its passage.

Approved December 23, 1904.

No. 51.**An Ordinance to Prohibit Stealing Rides on Cars and Other Vehicles.**

Be it ordained by the Board of Aldermen of the City of Somerville, as follows:—

Section 1. No person shall in any street ride upon the step or other portion of a street railway car or other vehicle, without legal right or the permission of the person in charge thereof.

Section 2. Any person violating any provision of this ordinance shall be liable to a penalty of not more than twenty dollars for each offense.

Section 3. This ordinance shall take effect upon its passage.

Approved December 23, 1904.

JURY LIST OF THE CITY OF SOMERVILLE.

Prepared by the Registrars of Voters, under Chapter 176 of the Revised Laws, February 2, 1905.

Posted February 11, 1905, and accepted by the Board of Aldermen February 23, 1905.

A

Abbott, Alonzo F., 8 Concord avenue, Clerk.
Adams, Charles, 117 Highland avenue, Machinist.
Adams, Charles M., 22 Highland road, Insurance adjuster.
Adams, Frank H., 46 Summer street, Treasurer.
Adcock, John H., 205 Highland avenue, Plumber.
Albee, John G., 101 Flint street, Clerk.
Allen, George H., 29 Rogers avenue, Real estate dealer.
Allison, James W., 95 Mt. Vernon street, Carpenter.
Andrews, Horace W., 172 Broadway, Builder.
Andrews, John, 34 Albion street, Agent.
Armstrong, Thomas W., 39 Partridge avenue, Sawyer.
Arnold, L. Frank, 28 Vinal avenue, Treasurer.
Attwood, J. Lorenzo, 18 Herbert street, Bookkeeper.
Atwater, George W., 1 Avon street, Foreman.
Atwell, Horace F., 7 Newbury street, Salesman.
Ayer, Fred C., 157 Highland avenue, Lumber dealer.

B

Babb, Charles D., 37 Bradley street, Salesman.
Babb, Nathaniel F., 193 School street, Salesman.
Babbitt, Artemas B., 110 Perkins street, Machinist.
Bacon, Oliver, 19 Pembroke street, Bookkeeper.
Bailey, Walter C., 72 Mt. Vernon street, Engraver.
Baker, Elias L., 26 Conwell avenue, Real estate agent.
Baker, Jacob, 26 Trull street, Paperhanger.
Baker, Nicholas, 9 Bedford street, Cooper.
Baker, Roger H., 9 Bedford street, Cooper.
Baker, Roswell F., 26 Hudson street, Salesman.
Ball, Charles C., 122 Holland street, Clerk.
Bancroft, Edward A., 31 School street, Barrel dealer.
Barker, Edgar C., 12 Ellsworth street, Clerk.
Barker, William H., 367 Summer street, Manufacturer.
Barnes, Frank, 24 Milton street, Box manufacturer.
Bartlett, George E., 5 North Union street, Machinist.
Bassett, Albert H., 17 Everett street, Real estate agent.
Beals, William H., 27 Howe street, Clerk.
Bean, George W., 61 Walnut street, Retired policeman.
Bean, John D., 3 Lincoln street, Teamster.
Beckley, Henry F., 221 Morrison avenue, Salesman.
Beckman, Frank W., 36 Stone avenue, Clerk.
Belding, Oscar H., 182 Highland avenue, Builder.
Bennett, Dana W., 41 Putnam street, Insurance agent.
Bennett, Daniel J., 37 Stone avenue, Harness maker.

Bentley, George W., 19 Adams street, Com. merchant.
 Berry, Arthur W., 53 Hudson street, Builder.
 Bertson, John F., 134 College avenue, Painter.
 Bertwell, Henry P., 20 Cameron avenue, Clerk.
 Billings, George A., 75 Willow avenue, Collector.
 Binney, Henry M., 8 Parker place, Painter.
 Bishop, William F., 20 Wheeler street, Bookkeeper.
 Blake, Charles M., 11 Preston road, Newsdealer.
 Blake, Frank R., 21 Derby street, Machinist.
 Boodry, George R., 26 Josephine avenue, Stereotyper.
 Booker, James A., 193 Pearl street, Salesman.
 Bossey, Charles W., 22 Ashland street, Salesman.
 Bossey, Thomas F., 111 Elm street, No occupation.
 Bosworth, William H., 10 Powder House ter., Adv. mgr.
 Boutin, Abraham, 18 Park avenue, Janitor.
 Bowen, Lorenzo W., 16 Broadway, Decorator.
 Bowman, Henry F., 10 Winter-hill circle, Lithographer.
 Boyer, F. Howard, 50 Highland avenue, Mech. engineer.
 Boyer, George R., 29 Wigglesworth street, Builder.
 Brabrook, Albert A., 126 Walnut street, Clerk.
 Brackett, Ira A., 60 Burnside avenue, Carriage dealer.
 Bradley, Daniel A., 67 Beacon street, Piano finisher.
 Bradshaw, Charles H., 7 Westwood rd., Real estate agt.
 Bremner, John A., 49 Bow street, Picture frame mfr.
 Briggs, Sylvester R., 19 Flint street, Broker.
 Brigham, Charles A., 3 Dell street, Produce salesman.
 Brine, Charles F., 36 Columbus avenue, Tailor.
 Brown, Charles E., 36 Albion street, Carpenter.
 Brown, Fred E., 311 Washington street, Bookkeeper.
 Brown, Fred R., 258 Broadway, Expressman.
 Brown, John H., 311 Washington street, Painter.
 Brown, Lyman H., 42 Columbus ave., Livery stable kpr.
 Brown, William C., 58 Beech street, Builder.
 Bryant, Thomas H., 6 Edmands street, Receiving clerk.
 Buckley, Patrick W., 17 Garden court, Confect'y dealer.
 Bucknam, Davis P., 12 Vine street, Mason.
 Bullard, Walter H., 22 Stickney avenue, Grocer.
 Bunten, Frederick R., 32 Cedar st., Feather duster mfr.
 Burbank, Munroe A., 9 Autumn street, Butter dealer.
 Burbank, Winfield S., 241 School street, Sawdust dealer.
 Burgess, Edward W., 59 Otis street, Pedler.
 Burgess, William H., 38 Cambria street, Bond salesman.
 Burke, Walter W., 337 Washington street, Hatter.
 Burns, Arthur M., 20 Auburn avenue, Insurance agent.
 Bursaw, William J., 41 Dartmouth street, Insurance agt.
 Burton, Edward H., 41 Meacham rd., Provision salesman.
 Burton, Walter, 2 Homer square, Artist.
 Butters, Charles S., 19 Church street, Provision dealer.
 Butterworth, Robert, 172 Summer street, Manufacturer.
 Buttimer, Maurice, 351 Lowell street, Contractor.

C

Cadwallader, Thomas J., 3 Lawson terrace, Clerk.
 Cain, John, 147 Cross street, Packer.
 Caldwell, David J., 50 Preston road, Clerk.
 Cameron, William G., 5 Lester terrace, Carpenter.
 Camp, Dan M., 60 Sydney street, Salesman.
 Campbell, William J., 44-A Lake street, Machinist.
 Card, Frederick L., 243 Pearl street, Provision dealer.
 Carl, Edward F., 28 Park street, Harness maker.

Carpenter, Albert Q., 7 Sargent avenue, Tinsmith.
Carr, Roy W., 130 College avenue, Confectioner.
Carr, William R., 62 Chandler street, Real estate agent.
Carruth, Frederick J., 34 Willow avenue, Salesman.
Cate, Nathan E., 28 Everett avenue, Freight clerk.
Chadwick, A. LeRoy, 30 Charnwood rd., Cigar salesman.
Chaffee, Emory F., 109 Pearl street, Apothecary.
Chambers, Barnabas, 729-A Somerville av., Cotton sampler.
Chandler, Charlie S., 7 Medina bldg., Elm st., Painter.
Chapin, Hiram O., 44 Dover st., Commission merchant.
Chase, Washington I., 85 Vine street, Distiller.
Cheeney, Clinton L., 38 Berkeley street, Confectioner.
Chickering, William H., 15 Evergreen avenue, Clerk.
Christie, Trott K., 22 Oliver street, Teamster.
Christopher, Emerson R., 219 Summer street, Grocer.
Clapp, George H., 35-A Franklin street, Foreman.
Clark, Charles W., 21 Westminster street, Shipper.
Clark, George E., 19 Arthur street, Shoe cutter.
Clark, George W., 65 Central street, Cruller Mfr.
Clarke, Charles E., 31 Berkeley street, Clerk.
Clarke, George B., 31 Berkeley street, Electrotyper.
Clement, Herman J., 35 Marshall street, Printer.
Clough, Warren A., 28 Church street, Pattern maker.
Coan, Thomas S., 18 Fremont street, Bookkeeper.
Cochran, Orlando R., 5 Campbell park, Salesman.
Coffin, Clarence D., 67 Hall avenue, Builder.
Cohen, Bennett, 100 Cedar street, Advertising agent.
Colbert, Edward, 25 Monmouth street, Clerk.
Cole, Abram L., 42 Everett avenue, Provision dealer.
Cole, Daniel H., 22 Edmands street, Clerk.
Coles, John B., 127 Cross street, Milkman.
Collieson, Clarence E., 19 Park avenue, Leather dealer.
Collins, John D., 22 Vine street, Mason.
Collins, J. Lincoln, 43 Stone avenue, Wire manufacturer.
Colman, Charles W., 151 Central street, Architect.
Comfort, James J., 5 Taunton street, Conductor.
Conant, George H., 8 Park avenue, No occupation.
Conant, William C., 28 Central street, Mirror mfr.
Concannon, John H., 135 Linwood street, Produce dealer.
Condit, Fred H., 255 Medford street, Musician.
Condit, Sears, 255 Medford street, Real estate dealer.
Connelly, Joseph A., 11 Craigie terrace, Sub-foreman.
Cook, Forrest D., 301 Highland avenue, Reporter.
Cooney, Thomas F. H., 84 Line street, Butter dealer.
Copithorne, John, 81 School street, Carpenter.
Corbett, John P., 36 Rossmore street, Polisher.
Corliss, Charles H., 36 Greenville street, Clerk.
Coyle, George R., 16 Maple avenue, Salesman.
Craig, John W., 97 Washington street, Blacksmith.
Creighton, Fred'k W., 328-A Highland ave., Bookkeeper.
Crenner, Bartlett P., 61 Adams street, Leather dealer.
Crimmings, Timothy F., 30 Vinal ave., Teamster & contr.
Crosby, Clifford F., 348 Summer st., Ventilating engin r.
Cross, John A., 104 Pearl street, Bookkeeper.
Crotty, William B., 466 Somerville avenue, Grocer.
Cullen, Christopher J., 11 Joy-street place, Teamster.
Cullin, Edwin, 222 Broadway, Grocer.
Cullis, Edwin J., 201 Pearl street, Clerk.
Cunningham, Thomas A., 60 Beacon street, Grocer.
Curran, Reuben L., 62 Otis street, Foreman.
Currier, Francis E., 15 Flint street, Mason.

Currier, William M., 9 Lesley avenue, Clerk.
 Cutler, Frank E., 70 Pearl street, Painter.
 Cutter, George B., 4 Pleasant avenue, Musician.

D

Dadmun, Henry H., 48 Oxford street, Salesman.
 Daggett, Fred L., 21 Waldo street, Confectioner.
 Daggett, William H., 133 Summer street, Clerk.
 Dalton, Charles X., 99 Highland avenue, Manufacturer.
 Dalton, Fred M., 330-A Highland avenue, Marketman.
 Dalton, James H., 22 Powder House terrace, Grocer.
 Damon, Ellis H., 50 Hudson street, Bookkeeper.
 Danforth, George E., 149 Lowell street, Clerk.
 Daniels, Clarence A., 88 Munroe street, Clerk.
 Daniels, Edward S., 50 Spring street, Piano tuner.
 D'Arcy, John J., 2 Campbell park, Photographer.
 Davenport, Foster L., 301 Summer street, Conductor.
 Davenport, Howard H., 85 Munroe street, Ice dealer.
 David, James B., 78 Belmont street, No occupation.
 Davis, Albert I., 35 Fairmount avenue, Bookkeeper.
 Davis, Albert M., 16 Chauncey avenue, Teamster.
 Davis, Claude E., 280 Broadway, Ice cream mfr.
 Davis, Fred E., 85 Pearl street, Real estate dealer.
 Davis, George E., 35 Putnam street, Bookkeeper.
 Davis, George M., 20 Arthur street, Mason and builder.
 Dawes, Henry L., 8 Ashland street, Salesman.
 Dawson, Howard, 70 Albion street, Clerk.
 Day, Wallace W., 263 Highland avenue, Salesman.
 Dearborn, Luther G., 91 Thurston street, Coffee roaster.
 Delay, James, 48 Beacon street, Florist.
 Dennett, Alexander H., 54 Concord avenue, Paperhanger.
 Dennett, John M., 23 William street, Stable keeper.
 Dennett, William H., 20 Lovell street, Salesman.
 Densmore, Charles D., 44 Porter street, Merchant.
 Densmore, Edward D., 44 Porter street, Electrician.
 Denvir, William E., 197 Summer street, Shipper.
 Dever, Neil J., 16 Maple street, Teamster.
 DeWolf, Lewis E., 334 Highland avenue, Tailor.
 Dickie, James, 91 Bay State avenue, Electrician.
 Dimick, Charles W., 122 Line street, Manager.
 Dinsmore, Fred C., 8 Arthur street, Grain dealer.
 Ditchfield, Charles L., 22 Windom street, Casket trimmer.
 Doak, Frank G., 227 Elm street, Salesman.
 Doane, Nathaniel P., 19 Grand View ave., Tow boat agt.
 Dodge, Alvin H., 21 Benedict street, Artist.
 Dodge, Edwin G., 21 Benedict street, Artist.
 Dodge, William G., 26 Virginia street, Musician.
 Doe, Freeland A., 187 Highland avenue, Cabinetmaker.
 Dolloff, Frank S., 62 Cross street, Electrician.
 Donaldson, Charles A., 31 Ware street, Machinist.
 Douglas, Charles E. M., 20 Stone avenue, Salesman.
 Dow, Arthur F., 66 Putnam street, Broker.
 Dowd, Thomas, 50 Chauncey avenue, Plasterer.
 Downer, Frank O., 80 Franklin street, Laborer.
 Downing, John L., 30 Burnside avenue, Shipper.
 Drake, James, 45 Berkeley street, Carpenter.
 Drinkwater, Frank M., 872 Broadway, Clerk.
 Driscoll, James F., 17 Cambria street, Machinist.
 Dunbar, John D., 3 Mystic street, Musician.
 Duncan, John, 2 Brastow avenue, Manufacturer.

Dunham, George J., 54 Adams street, Carriage salesman.
 Dunham, Marshall W., 54 Adams street, Carriage sales'n.
 Dunklee, Daniel D., 109 Sycamore street, Furnace dealer.
 Dusseault, George A., 906 Broadway, Manager.
 Dustin, Harry N., 10 Church street, Clerk.
 Dwyer, Timothy C., 25 Greene street, Clerk.
 Dyer, Henry H., 32 Elm street, Cigar dealer.
 Dyer, Josiah T., 156 School street, Men's furnishings dlr.
 Dyson, Noble, 7 Belmont place, Stone cutter.

E

Eager, Oliver M., 39 Warwick street, Machinist.
 Eames, Henry H., 13 Chapel street, Machinist.
 Eastman, Ulysses G., 53 Pritchard avenue, Carpenter.
 Eaton, Clifford C., 86 School street, Musician.
 Eccles, William, 55 Cross street, Upholsterer.
 Edmands, John S., rear 19 Albion street, Architect.
 Edmond, George A., 9 Wesley street, Machinist.
 Edwards, Edward H., 10 James street, Chiropodist.
 Egerton, Charles S., 63 Boston street, Cigar dealer.
 Eklof, Emil E., 15 Morrison avenue, Designer.
 Eldridge, Charles W., 31 Quincy street, Tinsmith.
 Eldridge, Frank, 47 Beach street, Salesman.
 Eldridge, Howard M., 16 Gilman street, Clerk.
 Elkins, John F., 142 Medford street, Contractor.
 Ellinwood, George H., 54 Beech street, Chemist.
 Elliott, Charles B., 116 Broadway, Painter.
 Elliott, George E., 103 Glenwood road, Grocer.
 Elliott, Waldo F., 177 Walnut street, Grocer.
 Ellis, William F., 4 Quincy street, Tailor.
 Elston, Abraham A., 25 Preston road, Contractor.
 Emerson, William J., 104 Broadway, Boot & shoe dealer.
 Emery, Allen A., 51 Oliver street, Butter salesman.
 Emery, George W., 27 Albion street, Draftsman.
 Enslin, Theodore V., 156 Sycamore street, Clerk.
 Estey, Joseph Hatfield, 32 Thorndike street, Grocer.
 Esty, Austin S., 203 School street, Manager.
 Everton, Elphonso I., 34 Lake street, Real estate agent.

F

Fairbanks, Henry I., 152 Walnut street, Salesman.
 Fairfield, Lewis P., 102-A Perkins street, Stationary Eng.
 Fales, Charles B., 1274 Broadway, Plasterer.
 Falvey, John J., 105 Summer street, Civil engineer.
 Farnham, Charles E., 16 Grand View avenue, Clerk.
 Farnsworth, Fred S., 72 Moreland street, Shipper.
 Farrell, Patrick S., 55 Lowell street, Painter.
 Farrington, John R., 24 Oliver street, Electrician.
 Farwell, Ruleffe H., 92 Central street, Pressman.
 Faulkner, William R., 80 Fremont street, Carpenter.
 Fay, William H., 127 Josephine avenue, Upholstery buyer.
 Fellows, Charles H., 30 Banks street, Accountant.
 Fellows, John H., 12 Elston street, Accountant.
 Fenelon, J. Robert, 15 Walnut street, Real estate agent.
 Fenno, Edwin H., 45 Hancock street, Paymaster.
 Ferguson, Herbert J., 57 Lowell street, Drug clerk.
 Fernald, George M. D., 207 Broadway, Electrician.
 Ferris, Robert J., 17 Park street, Horse dealer.
 Fifield, Fenno W., 19 Arthur street, Printer.

Finch, Alfred C., 25 Ware street, Newspaper shipper.
 Finney, Nathaniel G., 632 Somerville avenue, Painter.
 Fish, Benjamin F., Jr., 24 Boston street, Painter.
 Fisher, Alphonso, 152 Pearl street, Painter.
 Fisher, Arthur V., 62 Evergreen avenue, Advance agent.
 Fisher, Edgar M., 14 Stickney avenue, Ticket seller.
 Fisk, Ellsworth, 44 Heath street, Clerk.
 Fitch, Nathan A., 40 Franklin street, Poultry dealer.
 Fitz, Charles E., 440 Broadway, Bookkeeper.
 Flagg, Charles A., 24 Gibbens street, Salesman.
 Flaherty, James P., 45 Everett avenue, Junk dealer.
 Fletcher, John E., 81 Walnut street, Collector.
 Flitner, George J., 1 Clifton street, Wool grader.
 Fogg, Walter A., 12 Fountain avenue, Bicycle dealer.
 Foote, Edward H., 138 Sycamore st., Pickle mf'r.
 Ford, Charles S., 124-A Cross street, Canvasser.
 Foss, Lewis T., 21 Chandler street, Dentist.
 Foster, Elmer E., 10 Broadway place, Fireman.
 Foster, George W., 7 Evergreen avenue, Insurance agt.
 Foster, John B., 66 Irving street, Artist.
 Fox, Edward W., 123 College avenue, Jeweler.
 Fox, John, 28 Linden street, Laborer.
 Foy, John H., 350 Somerville avenue, Glass worker.
 Friend, Edward, 5 Cameron avenue, Painter.
 Frink, William A., 88 Holland street, Undertaker.
 Frost, George W., 38 Laurel street, Clerk.
 Frye, Charles H., 43 Sargent avenue, Machinist.
 Fudge, Edward J., 334 Somerville avenue, Undertaker.
 Fuller, Dana L., 150 Powder-house boulevard, Beef sales.
 Fuller, Walter I., 37 Hancock street, Electrician.
 Fulton, David, 4 Spring court, Laborer.

G

Garland, John A., 76 Porter street, Advertising agent.
 Garrett, Edwin E., 52 Mt. Vernon street, Clerk.
 Garrity, Martin, Jr., 416 Norfolk street, Plumber.
 Gary, Joseph E., 86 Irving street, Broker.
 Gay, Frederick, 10 Boston street, Expressman.
 Gay, Oswald R. M., 50 Pinckney street, Carpenter.
 Geary, Patrick J., 41 Lake street, Clerk.
 Gendron, Jos., Jr., 150 Powder-house bvd., Elevator Constr.
 Gerrish, Charles E., 70 Boston street, Fruit dealer.
 Gerrish, Theodore, 7 Greene street, Real estate agent.
 Getchell, Albert R., 51 Flint street, Lunchman.
 Gibbs, J. Edwin, 118 Josephine avenue, Manager.
 Gifford, Herbert C., 54 Preston road, Iron salesman.
 Gilbert, Fred W., 101 School street, Shoe dealer.
 Gilchrist, Charles T., 52 Pearl street, Accountant.
 Giles, Charles E., 24 Webster street, Real estate dealer.
 Gill, Antonio P., 202-B Washington street, Barber.
 Gill, Frank A. W., 1 Dell street, Fish dealer.
 Gill, Martin, 72 Bonair street, Teamster.
 Gill, William T., 1 Dell street, Undertaker.
 Gillette, Hiram A., 72 College avenue, Manufacturer.
 Gilley, Rodney O., 11 Walter street, Steward.
 Gillis, Daniel B., 38 Benton road, Builder.
 Gilman, Charles E., 49 Dickinson street, Grocer.
 Gilman, John W., 85 College avenue, Manager.
 Glazebrook, John G., 65 Wheatland street, Wood turner.
 Glidden, George A., 11 Marshall street, Packer.

Glines, Arthur W., 142 Powder-house boulevard, Clerk.
 Glynn, Thomas J., 18 Bow-street place, Stationary eng.
 Goddard, Edward A., Jr., 64 Wallace street, Clerk.
 Godey, Frederick C., 11 Eliot street, Roofer.
 Godfrey, Alexander M., 52 Berkeley street, Carpenter.
 Godfrey, Benjamin F., 20 Avon street, Cooper.
 Goding, Eugene F., 93 Newton street, Tinsmith.
 Goldsmith, Benjamin W., 7 Jasper street, No occupation.
 Goldthwaite, Jerome I., 82 Mt. Vernon street, Clerk.
 Goodspeed, William H., 37 Rush street, Cafe proprietor.
 Gordon, Arthur C., 357 Somerville avenue, Painter.
 Graham, Robert C., 29 Greene street, No occupation.
 Graham, Samuel, 299 Broadway, Machinist.
 Graves, David B., 17 Rogers avenue, Clothing dealer.
 Graves, Elmer E., 19 Cottage avenue, Manager.
 Gray, Amasa, 71 Wallace street, Carpenter.
 Gray, Frank E., 21-A Cutter avenue, Salesman.
 Gray, Levi E., 4 Wellington avenue, Carpenter.
 Green, Bernard J., 252-A Somerville avenue, Mason.
 Greenough, John L., 19 Vernon street, Conductor.
 Griffin, Augustus P., 22 Richdale avenue, Salesman.
 Griffin, Edward B., 32 Rush street, Shipper.
 Grover, George A., 10 Belmont place, Special officer.
 Grover, George B., 21 Electric avenue, Express messenger.
 Grover, Nelson H., 88 Avon street, Advertising agent.
 Guild, Edgar A., 28 Webster avenue, Clerk.
 Guild, Julius J., 325 Washington street, Provision dealer.
 Gurnham, Thomas, 36 Hancock street, Newsdealer.

H

Hackett, James A., 20 Atherton street, Telegrapher.
 Hadley, Freddell O., 30 Conwell avenue, Electrician.
 Hadley, Walter M., 24 Hathorn street, Coal dealer.
 Hafford, John, 327 Washington street, Retired policeman.
 Hagen, Edward A., 210 Somerville avenue, Glass maker.
 Hale, C. Warner, 144 Highland avenue, Clerk.
 Haley, Fred, 17 Grand View avenue, Insurance agent.
 Hall, Almon, 4 Morton street, Cooper.
 Hall, George G., 89 Cross street, Printer.
 Hall, William A., 9 Veazie street, Teamster.
 Hall, William Franklin, 103 Thurston street, Accountant.
 Hamblin, Franklin J., 30 Walnut street, Manager.
 Hancock, Edward, 272 Highland avenue, Butter salesman.
 Harrington, George O., 7 Bolton street, Salesman.
 Harrington, Nathan B., 7 Bolton street, Clerk.
 Harris, Charles A., 12 Lincoln avenue, Coffee roaster.
 Hart, Fred R., 24 Laurel street, Cigar packer.
 Hartshorn, Frank S., 96 Glen street, Clerk.
 Hartwell, Walter C., 15 Kenwood street, Bookkeeper.
 Harvey, George W., 8 Chester avenue, Salesman.
 Haskell, Otis S. M., 279 Summer street, Confectioner.
 Hatch, Arthur E., 46 Browning road, Manager.
 Hatch, Frederick A., 77 Jaques street, Laborer.
 Hathaway, Charles L., 26 Dover street, Pattern maker.
 Hathaway, Henry C., 12 Pembroke street, Painter.
 Hawkins, Alvin C., 48 Banks street, Foreman.
 Hayes, Frederic S., 55 Putnam street, Farmer.
 Hayes, William T., 252 Medford street, Clerk.
 Hayward, John G., 5 Windom street, Insurance agent.
 Heacox, Dwight C., 45 Springfield street, Machinist.

Henderson, John, Jr., 22 Craigie street, Wood carver.
 Hepburn, James, 226 Somerville avenue, Grocer.
 Herrick, George, 547 Somerville avenue, Motorman.
 Hersey, Charles H., 7 Thurston street, Clerk.
 Hicks, Carlton, 8 Charnwood road, Railroad agent.
 Higgins, John, 38 Linwood street, Dry goods dealer.
 Higgins, Byron E., 20 Richdale avenue, Mason.
 Higgins, Solomon S., 158 Summer street, R. E. agent.
 Highley, Philip, 184 Summer street, Agent.
 Hill, Arthur B., 17 Norwood avenue, Musician.
 Hinckley, James G., 254 School street, Butter dealer.
 Hines, Alfred H., 9 Preston road, Mason.
 Hodge, Charles W., 26 Billingham street, Bookkeeper.
 Hodgkins, Edward S., 139 Orchard street, Grocer.
 Hodson, Albert O., 28 Pinckney street, Driver.
 Hoisington, Walter D., 7 Shawmut street, Steamfitter.
 Hoit, Alonzo W., 275 Highland avenue, Produce dealer.
 Hoit, Edward P., 275 Highland ave., Produce dealer.
 Holland, Charles J., 30 Aldrich street, Printer.
 Holland, William L., 30 Aldrich street, Printer.
 Holmes, Charles A., 265 Beacon street, Vinegar mfr.
 Holmes, Frank H., 29-A Veazie street, Plumber.
 Holmes, Samuel, 49 Thurston street, Poultry salesman.
 Holt, Edward M., 32 Springfield street, Machinist.
 Holt, Harry, 108 Porter street, Carpenter.
 Hook, George A., 30 Chandler street, Awning mfr.
 Hopkins, J. Wesley, 27 Summit avenue, Music salesman.
 Horton, Charles H., 101 School street, Clerk.
 Horton, Charles P., 22 Everett avenue, Inspector.
 Horton, William A., 2 Billingham street, Artist.
 Hosmer, Cyrus, 297 Summer street, Clerk.
 Houdlette, Harry W., 58 Oliver street, Salesman.
 Houdlette, Horace A., 9 Webster street, Salesman.
 Howard, Eugene P., 11 Hall avenue, Salesman.
 Howard, J. Walter, 330 Broadway, Florist.
 Howe, Frederick F., 40 Kidder avenue, Shipper.
 Howe, Henry E., 17 Sewall street, Shoe salesman.
 Hulsman, Chester R., 44 Greenville street, Collector.
 Humphrey, Edward G., 166 Highland avenue, Clerk.
 Hunnewell, William A., 23 Milton street, Coal dealer.
 Hunt, Cassius, 218 School street, Fish dealer.
 Hunt, Charles E., 28 Brook street, Grocer.
 Hunt, John T., 28 Brook street, Grocer.
 Hunt, Warren F., 236 Highland avenue, Clerk.
 Hunter, William H., 11 Sycamore street, Glass engraver.
 Hurd, George F., 89 Beacon street, Foreman.
 Hurley, James F., 229 Tremont street, Glass blower.
 Hylan, John P., 21 Linden avenue, Instructor.

I

Ingham, John S., 12 Avon street, Clerk.
 Ireland, George H., 10 Evergreen square, Blacksmith.
 Irish, Fred D., 3 Dartmouth street, Salesman.
 Ivans, Benjamin D., 15 Eastman terrace, Machinist.

J

Jack, David, 112 Perkins street, Iron moulder.
 Jackson, Edward F., 15 Osgood street, Driver.
 Jackson, Fred W., 114 Hudson street, Musician.

Jackson, George W., 8 Hall street, Brush maker.
 Jameson, Robert, 22 Bowdoin street, Billiard room kpr.
 Jansson, Augustus L., 102 Wallace street, Salesman.
 Jaques, Otis A., 66 Boston street, Fruit dealer.
 Jaques, William J., 50 Webster street, Teamster.
 Jennings, George W., 60 Central street, Clerk.
 Jensen, James A., 27 Wesley street, Freight conductor.
 Johnson, Hartley M., 10 Bellevue terrace, Teamster.
 Jones, Benjamin F., 51 Cherry street, Artist.
 Jones, Charles E., 154 Pearl street, Carriage maker.
 Jones, C. Frank, 61 Lowell street, Private secretary.
 Jones, Thomas F., 34 Line street, Conductor.
 Jones, Walter C., 51 Cherry street, Artist.
 Joslyn, Will C., 37 Banks street, Salesman.
 Joy, Alden B., 7 Craigie terrace, Carpenter.
 Judkin, Herbert L., 27 Park street, Box maker.

K

Kane, William A., 5 Meacham street, Tinsmith.
 Kauler, Charles E., 27 Gilman st., Undertaker's assistant.
 Kearney, Edward S., 206 Somerville ave., Sawdust dealer.
 Keay, Fred E., 153 College avenue, Editor.
 Keefe, Albert, 14 Edmands street, Produce dealer.
 Keefe, William M., 44 Kingston street, Milk dealer.
 Keegan, Dominick F., 31 Belmont street, Printer.
 Keene, Charles H., 12-A Kensington avenue, Foreman.
 Keith, Simeon C., Jr., 20 Highland avenue, Bacteriologist.
 Kelley, Edward N., 17 Merriam street, Lather.
 Kelley, Isaac S., 22 Electric avenue, Bookkeeper.
 Kelley, John, 102 Highland avenue, Real estate agent.
 Kelley, John J., 6 London street, Pedler.
 Kelley, William, 15 Leland street, Janitor.
 Kelly, Joseph E., 11 Moore street, Bridge builder.
 Kelly, Michael H., 12 Parker street, Carpenter.
 Kendall, Henry A., 55 Oxford street, Janitor.
 Kendall, Isaac B., 338 Broadway, Insurance agent.
 Kendall, John B., 25 Russell street, Milk dealer.
 Kendall, Jonas B., Jr., 41 Russell street, Milk dealer.
 Kendall, Philip S., 41 Russell street, Milk dealer.
 Kenneson, Charles A., 176 Walnut street, Stor. W. H. kpr.
 Kenney, James, 4 Concord avenue, Carpenter.
 Kerrigan, James, Jr., 351 Washington street, Teamster.
 Kidder, Herbert A., 58 Walnut street, Cashier.
 Kiley, Patrick J., 36 Prospect street, Wheelwright.
 Kimball, Charles L., 19-A Cross street, Wood turner.
 Kimball, Harry G., 19-A Cross street, Brass finisher.
 Kimball, Harvey B., 13 Herbert street, Carpenter.
 Kingston, Joseph R., 39 Crocker street, Optician.
 Kinney, Edgar L., 92 Sycamore street, Bookkeeper.
 Kinsman, Joseph H., 20 Jaques street, Clerk.
 Kirk, Patrick, 31 Belmont street, Harness maker.
 Knapp, Samuel, 3 Lester terrace, Salesman.
 Kneeland, Sylvanus R., 7 Loring street, Reflector dealer.
 Kneeland, William B., 9 Greene street, Freight solicitor.
 Knight, George R., 34 Grant street, Retired fireman.
 Knowles, Benjamin H., 15 Parker street, Hatter.
 Knowles, Thomas, 27 Tyler street, Porter.
 Knowles, Zoeth R., 119 Walnut street, Printer.
 Knowlton, Edward B., 40 Highland road, Pattern maker.

Knox, Waldo H., 19 Hancock street, Clerk.
 Koen, Philip, 19 Adrian street, Milkman.
 Koester, Emil C., 75 Cedar street, Photographer.

L

Lacy, Patrick, 63 Cherry street, Mason.
 Land, Lawrence P., 60 Marshall street, Carpenter.
 Landers, Arthur C., 225 Summer street, Bookkeeper.
 Lane, Eugene H., 58 Berkeley street, Butter dealer.
 Lang, Walter A., 9 Putnam street, Teamster.
 Loughton, William, 42 Banks street, Bookbinder.
 Lavey, John T., 7 Belmont street, Pork packer.
 Lawrence, Bernard W., 289 Highland ave., Produce dlr.
 Lawrence, George B., 27 Spencer avenue, Slate dealer.
 Lawson, Peter P., 101 Summer street, Machinist.
 Leavitt, Edwin, 13 Pinckney street, Insurance agent.
 Leavitt, Frank W., 468 Somerville avenue, Carriage mfr.
 LeCount, Frederick R., 7 Dartmouth street, Salesman.
 Leen, James P., 183 Medford street, Florist.
 Leland, Pitt F., 22 Bradley street, Collector.
 Leonard, Eugene C., 86 Avon street, Clerk.
 Lewis, Dennis J., 14 Benedict street, Plumber.
 Libbey, Albion H., 8 Ames street, Salesman.
 Libbey, George W., 215 Pearl street, No occupation.
 Libbey, Moulton C., 7 Jay street, Jeweler.
 Libby, George H., 21 Ashland street, Upholsterer.
 Liddell, William, 417 Highland avenue, Pattern maker.
 Lincoln, Andrew G., 31 Elm street, Ivory worker.
 Lind, John, 38 Clark street, Marble worker.
 Lindbladh, Gustave, 41 Greenville street, Paper ruler.
 Litchfield, Hiram J., 72 Jaques street, Teamster.
 Litchfield, J. Warren, 181 Broadway, Milk dealer.
 Little, John K., 93 Hudson street, Accountant.
 Littlefield, Elisha, 65 Glen street, Carpenter.
 Littlefield, Samuel T., 321 Broadway, No occupation.
 Locke, Theodore H., 53 Central street, Clerk.
 Locke, Warren E., 94 College avenue, Real estate agent.
 Lomasney, John E., 7 Maple avenue, Produce salesman.
 Lombard, Richard J., 16 Evergreen avenue, Teamster.
 Lord, Benjamin F., 4 Pearl street, Provision dealer.
 Lord, Frank W., 4 Pearl street, Shoe salesman.
 Lord, George T., 23 Wheeler street, Milkman.
 Lorentzen, Henry, 101 Rogers avenue, Lock expert.
 Loud, Clarence W., 48 Hudson street, Salesman.
 Lounsbury, George H., 46 Houghton street, Clerk.
 Loveland, Charles M. N., 898 Broadway, Stenographer.
 Lovering, Edward P., 7 Chester avenue, Mason.
 Lovering, Everett L., 21 Bradley street, Musician.
 Lovering, John S., 27 Flint street, Teamster.
 Lowell, George E., 16 Delaware st., Livery stable keeper.
 Lowry, Donald J., 117 School street, Butler.
 Lund, John C., 13 Cutter street, Porter.
 Lyman, Albert C., 19 Knapp street, Upholsterer.
 Lynan, Charles P., 8 Hawthorne street, Weaver.
 Lynch, John B., 9 Cedar avenue, Bookbinder.
 Lyons, Timothy J., 14 Chestnut street, Pedler.

M

MacCann, Frederick J., 34 Holyoke road, Meat cutter.
 MacCormack, John W., 216 Pearl street, Signalman.
 Macdonald, John W., 23 Elm place, Salesman.

Maddison, Arthur N., 7 Hall avenue, Stenographer.
Magoon, William S., 79 Perkins street, Signal repairer.
Maguire, John F., 21 Fountain avenue, Photo engraver.
Makant, Robert, 40 School street, Engraver.
Makechnie, Ernst H., 238 Elm street, Teacher of violin.
Mangan, William J., 3 Hawkins street, Electrician.
Manley, Thomas A., 34 Rogers avenue, Clerk.
Mann, Alfred E., 75 Washington street, Undertaker.
Manning, John F., 152 Medford street, Teamster.
Manning, John J., 29 Park street, Barber.
Marble, Augustus B., 92 Sycamore street, Sales agent.
Marr, George S., 37 Dover street, Carpenter.
Marsh, William H., 27 Cutter street, Teamster.
Marshall, Edwin A., 41 Franklin avenue, Wood carver.
Marshall, John A., 153-A Willow avenue, Salesman.
Martin, George J., 16 Oliver street, Moulder.
Martin, John P., 56-S Walnut street, Clerk.
Martin, John W., 16 Montgomery avenue, Foreman.
Martin, Lewis R., 34 Grant street, Teamster.
Marston, Joseph N., 18 Rush street, Carriage salesman.
Martinson, William H., 10 Boston street, Engineer.
Mason, Seth, 32 Madison street, Advertising agent.
Matthews, Frank J., 7 Maple avenue, Teamster.
Maynard, Everett A., 22 Forster street, Sexton.
Maynard, Fred L., 30 Ames street, Provision dealer.
Mayo, Francis L., 17 Clark street, Bill poster.
Mayo, Wallace J., 36 Putnam street, Electrician.
McAllister, William H., 23 Wallace street, Brush maker.
McAskill, Scyrene B., 14 Bow street, Candy dealer.
McAvoy, Henry, 117 Somerville avenue, Stable keeper.
McCarthy, James F., 24 Preston road, Charcoal dealer.
McConnell, William N., 19-A Church street, Clerk.
McCrillis, Melvin C., 23 Dartmouth street, Beef dealer.
McDonald, Wm. M., 56 Cedar street, Provisions dealer.
McGann, Thomas F., 45 Putnam street, Brass founder.
McGrath, Charles T., 75 Harris street, Carriage painter.
McKenna, David W., 7 Chestnut street, Pedler.
McKenna, George F., 292 Lowell street, Undertaker.
McLean, C. Garfield, 78 Oxford street, Clerk.
McManus, Patrick, 91 Prospect street, Gatetender.
McMaster, Edward A., 12 Park street, Clerk.
McMaster, George R., 12 Park street, Armorer.
McNamara, Eugene T., 56 Columbus avenue, R. E. agent.
Medina, John, 27 College avenue, Merchant.
Melvin, Charles F., 25 Farragut avenue, Beef dealer.
Mentzer, Charles A., 47 Cherry street, Com. merchant.
Merrifield, Fred H., 478-R Somerville ave., Salesman.
Merriam, George S., 26 Bartlett street, Warehouseman.
Merrill, Warren A., 14 Westminster street, Salesman.
Merritt, Joseph W., 58 Pinckney street, Salesman.
Merritt, William, 103 Pearl street, Railroad supt.
Messer, Melvin J., 27 Franklin street, Bookkeeper.
Miller, William S., 255 Medford street, Bookkeeper.
Miner, Robert A., 56 Chester street, No occupation.
Mink, Frank L., Jr., 85 Elm street, No occupation.
Molineaux, John G., 41 Thorndike street, Clerk.
Molineaux, Michael R., 41 Thorndike st., No occupation.
Mongan, Manasses P., 1 Garden court, Salesman.
Monroe, Daniel N., 47-A Franklin street, Teamster.
Moore, Frank M., 79 Boston street, Electrician.
Moran, Henry W., 189 Pearl street, Iron moulder.
Morang, Arthur C., 157 Lowell street, Salesman.

Morgan, Francis W., 452 Medford street, Buyer.
 Morrill, Frank A., 5 Bradley street, Photographer.
 Morrill, Fred L., 18 Arlington street, Clerk.
 Morrill, Harry V., 25 Sargent avenue, Insurance agent.
 Morrison, Frank E., 23 Brook street, Provision dealer.
 Morse, Henry H., 27 Hudson street, Merchant.
 Mulliken, John E. A., 39 Dartmouth street, Bookkeeper.
 Mulqueeney, Lot J., 420 Norfolk street, Laborer.
 Murdock, George F., 160 Pearl street, Meat cutter.
 Murphy, John F., 65 Waterhouse street, Fireman.
 Murphy, Stephen F., 102 College avenue, Manager.
 Muzzy, Horace T., 31 Vinal avenue, Draftsman.
 Myott, William C., 208 Medford st., Hoisting engineer.

N

Nash, Joseph A., 69 Beacon street, Stationary engineer.
 Nason, Charles C., 21 Wigglesworth street, Carpenter.
 Nay, Arthur F., 113 Josephine avenue, Lumber salesman.
 Neal, Andrew C., 40 Raymond avenue, Gilder.
 Neely, D. Wesley, 36-A Fairmount avenue, Decorator.
 Nelson, Jesse L., 50 Richdale avenue, Carriage salesman.
 Nelson, Willard C., 2 Hillside avenue, Artist.
 Newell, Franklin G., 28 Grant street, Machinist.
 Newman, Edward B., 24 Garrison ave., Disinfectant sales.
 Newsom, James E., 74 Sycamore street, Produce dealer.
 Nichols, Walter W., 51 Webster street, Carpenter.
 Nickerson, Alfred P., 41-D Franklin street, Bookkeeper.
 Nickerson, Benjamin S., 37 Highland road, Broker.
 Nickerson, John F., 25 Flint street, No occupation.
 Nickerson, Urban H., 27 Hall avenue, Salesman.
 Niles, James H., 4 Fairlee street, Beef salesman.
 Noble, Archibald W., 39 Crocker street, Upholsterer.
 Nolan, Thomas A., 17 Preston road, Teamster.
 Norris, Joseph C., 355 Highland avenue, Steamfitter.
 Northrop, Herbert N., 145 College avenue, Manufacturer.
 Norwood, Winfield S., 942 Broadway, Trimmer.
 Nourbourn, James W., 109 Walnut street, Asst. manager.
 Nowell, Joseph A., 19 Pinckney street, Engineer.
 Noyce, Benjamin C., 28 Glen street, Carpenter.
 Nute, Alfred D., 329 Highland ave., Shoe manufacturer.
 Nutter, Ellis P., 39 Sycamore street, Bookkeeper.
 Nye, Thomas V. B., 51 Cedar street, Salesman.
 Nyman, Ernest D., 31 Wigglesworth street, Bag. master

O

Oakes, Clifford L., 1108 Broadway, Barber.
 O'Brien, William, 15 Caldwell avenue, Expressman.
 O'Connell, Henry J., 139 Lowell street, Cigar salesman.
 O'Connell, Michael, 35 Linwood street, Pedler.
 Odiorne, William E., 15 Greenville street, Salesman.
 O'Donnell, Neil, 114 Cross street, Engineer.
 O'Leary, David T., 277 Washington street, Laborer.
 O'Leary, Denis J., 410 Somerville avenue, Cooper.
 Olive, E. Percy, 27 Banks street, Photographer.
 Oliver, Walter J., 121 Highland avenue, Bakery foreman.
 O'Neil, Michael A., 158 Lowell street, Stock broker.
 O'Neill, William J., 76 Bonair street, Woollens salesman.
 Onthank, Charles H., 47 Munroe street, Provisions dlr.
 Orr, Thomas, 61 Glenwood road, Salesman.

Osborn, Edgar W., 86 Porter street, Furniture dealer.
 Osgood, John M., 297-A Summer street, Electrician.
 O'Shaughnessy, Patrick, 76 Derby street, Milk dealer.
 Otterson, Alpheus, 19 Prospect Hill avenue, Salesman.
 Owen, John W., 20 Melvin street, Civil engineer.

P

Page, Daniel W., 21-R Webster avenue, Night watchman.
 Page, George Amos, 21-R Webster avenue, Mason.
 Park, Arthur N., 20 Arlington street, Clerk.
 Parker, Arthur B., 17 Gilman street, Milk dealer.
 Parker, George T., 12 Evergreen avenue, Carpenter.
 Parker, Leander W., 253 Willow avenue, Hackman.
 Parker, William H., 23 Hall avenue, Salesman.
 Parks, James J., 73 Grant street, Railroad clerk.
 Patch, Amos G., 35 Irving street, Produce dealer.
 Patterson, William S., 41 Prospect street, Carriage maker.
 Paulin, Basile G., 11 Spencer avenue, Bookkeeper.
 Pauly, Rudolph P., 21 Hall street, Upholsterer.
 Peake, Benjamin W., 62 Central street, No occupation.
 Pearson, Albert L., 10 Dresden circle, Mechanical eng.
 Pease, Charles H., 189 Summer street, Mechanical eng.
 Pecheur, Augustus F., 7 Merriam street, Glass maker.
 Peck, Henry A., 2 Bigelow street, Printer.
 Peirce, Cyrus H., 75 Marshall street, No occupation.
 Perham, Edwin R., 22 Marshall street, Expressman.
 Perkins, George T., 25 Belmont street, Fish dealer.
 Perkins, George W., 79 Derby street, Machinist.
 Perkins, H. Willis, 400 Medford street, Grocer.
 Perry, Elwin L. R., Jr., 34 Richdale av., Brass goods mfr.
 Perry, William E., 69 Marshall street, Clerk.
 Philbrick, Charles S., 174 Morrison ave., R. E. agent.
 Phillips, Bernard C., 8 Charlestown street, Storekeeper.
 Phillips, George B., 8 Charlestown street, Storekeeper.
 Pickthall, Richard E., 182 Central street, Clerk.
 Pierce, Henry A., 14 Conwell street, Marketman.
 Pigon, Joseph H., 36 Wallace street, Clerk.
 Pillsbury, Edwin B., 1156 Broadway, Publisher.
 Plaisted, William D., 17 Franklin street, Clerk.
 Pond, George W., 91 Bay State avenue, Clothing dealer.
 Porter, Isaac H., 97 College avenue, Leather dealer.
 Potter, George B., 14 Crocker street, Produce salesman.
 Potter, Henry K., 5 Arthur street, Agent.
 Pratt, Charles H., 20 George street, Civil engineer.
 Pratt, Harry O., 25 Madison street, Clothing cutter.
 Preble, Frederick A., 55 Tennyson street, Bookkeeper.
 Prescott, Albion M., 52 School street, Teamster.
 Prichard, Charles E., 145 Walnut street, Salesman.
 Prichard, George W., 1 Bean court, Teamster.
 Prior, Charles W., 95 Summer street, Electrician.
 Puffer, Charles, 14 Dartmouth street, Produce dealer.
 Pugh, Samuel, 269 Summer street, Clerk.
 Pushee, Frank S., 43 Chester street, Salesman.

Q

Quarrie, Joseph A., 62 Sycamore street, Carpenter.
 Quick, Augustus S., 51 Chester street, Clerk.
 Quilligan, Harry A., 451 Somerville avenue, Tinsmith.
 Quimby, George A., 14 Waldo street, Salesman.
 Quinn, John A., 19 Rossmore street, Laborer.

R

Ralph, Alson C., 138 Lowell street, Electrician.
 Ramsdell, Charles H., 53 Tufts street, Real estate agent.
 Ramsdell, Solomon E., 390 Highland avenue, Mason.
 Rand, George T., 336 Highland avenue, Undertaker.
 Rand, James B., 24 Austin street, Traveling salesman.
 Randlet, Irving N., 11 Jay street, Builder.
 Ray, Frank E., 16 Virginia street, Salesman.
 Raymond, Charles F., 20 Crocker street, Collector.
 Raymond, Marcus M., 37 Jaques street, No occupation.
 Raynes, Charles E., 49 Francesca avenue, Clerk.
 Read, A. Dexter C., 52 Webster street, Furniture dealer.
 Reed, Clarence G., 30 Forest street, Plasterer.
 Reed, Cyrus A., 14 Farragut avenue, Upholsterer.
 Reeves, Frederic H., 15-A Herbert street, Clerk.
 Remick, George W., 16 Cutter street, Mason.
 Remick, William F., 16 Cutter street, Manager.
 Reynolds, James F., 12 Belmont place, Insurance agent.
 Rich, Isaac, 36 Walnut street, Civil engineer.
 Rich, Samuel B., 45 Francesca avenue, Fish dealer.
 Richards, Daniel, Jr., 14 Granite street, Clerk.
 Richards, Frederick L., 127 Summer street, Engineer.
 Richards, George A., 8-A Melvin st., Real estate agent.
 Richards, William P., 44 Day street, Architect.
 Richardson, George A., 20 Wesley street, Clerk.
 Richardson, Homer L., 11 Albion street, Compositor.
 Richardson, William C., 15 Franklin street, Clerk.
 Ricker, George E., 27 College avenue, Hotel keeper.
 Riddell, Robert H., 90 Myrtle street, Dry goods dealer.
 Rideout, Henry N. W., 7 Howe street, Clerk.
 Ridler, Parker, 37 Ames street, Salesman.
 Riess, Frank, 49 Gorham street, Painter.
 Rinn, Daniel H., 17 Wesley park, Victualler.
 Ritter, William, Jr., 109 Summer street, Dentist.
 Rivers, Fred S., 31 Charnwood road, Electrician.
 Roberts, Arthur A., 11 Jasper street, Tool maker.
 Roberts, Oliver S., 15 Kidder avenue, Manager.
 Roberts, Samuel, 16-A Norwood avenue, Insurance agent.
 Robinson, William F. S., 84 Pearl street, Artist.
 Robinson, Wm. H., 265 Broadway, Veterinary surgeon.
 Rogers, Bishop G., 34 Lake street, Bookkeeper.
 Rogers, Fred C., 1 Elm court, Shipper.
 Rogers, Frederick R., 3 Wesley park, Clerk.
 Rogers, John E., 9 Wigglesworth street, Electrician.
 Ronayne, John, 22½ Tyler street, Laborer.
 Ross, Daniel M., 7 Stickney avenue, Electrician.
 Ross, William M., 116 Hancock street, Grainer.
 Rowe, Daniel, 324 Somerville avenue, Editor.
 Rowell, Elwin E., 72 Broadway, Clerk.
 Rufer, John B., 134 Lowell street, Blacksmith.
 Rumney, Isaac E., 10 Benedict street, Machinist.
 Russell, Arthur J., 51 Beacon street, Printer.
 Russell, Eugene L., 1196 Broadway, Provision dealer.
 Russell, George E., 9 Church street, Meat cutter.
 Ryan, Martin J., 7 Garden court, Bookkeeper.

S

Saben, Edward E., 110 Pearl street, Insurance agent.
 Sampson, Paul L., 22 Joseph street, Printer.
 Sanborn, William A., 472 Broadway, Brick manufacturer.
 Sanborn, William F., 17 Benedict street, News dealer.

Sargent, Isaac C., 8 Parker street, Insurance agent.
Savage, Peter J., 10 Dane avenue, Machinist.
Sawyer, Walter S., 16 Browning road, Real estate agent.
Scanlon, Edward, 28 Marion street, Provision dealer.
Schillinger, Edgar F., 8 Edmands street, Salesman.
Schofield, John E., 28 Willow avenue, Clerk.
Schrafft, William E., 49 Belmont st., Candy mir.
Schwab, Ferdinand, 44 Highland road, Superintendent.
Scott, Albert W., 32 Spencer avenue, Salesman.
Scott, Clement H., 29 Oxford street, Woodworker.
Searl, John, 86 Elm street, Shoe manufacturer.
Sears, Eben, 25 Dartmouth street, Boiler inspector.
Sewall, Charles B., 174 Walnut street, Collector.
Sewall, William H., 140 Lowell street, Watchman.
Seymour, Alfred A., 10 Brook street, Salesman.
Shattuck, Benjamin F., 26 Warren avenue, Potato dealer.
Shattuck, David A., 23 Brook street, Carpenter.
Shaw, Charles E., 10 Eastman terrace, Paperhanger.
Shaw, Fred E., 18 Everett avenue, Bridge builder.
Shaw, Oscar M., 18 Everett avenue, Contractor.
Shaw, William H., 92 Central street, Assistant manager.
Shaw, William T., 10 Chauncey avenue, Building supt.
Sheeran, John J., 153-R Beacon street, Clerk.
Shepley, Charles H., 45 Union square, Secretary.
Sheridan, Arthur H., 22 Perry street, Cashier.
Sherman, Frank M., 42 Sewall street, Mailing clerk.
Shiner, Alfred F., 158 Linwood street, Trader.
Shorey, William P., 40 Columbus avenue, Clerk.
Short, Oscar W., 8 Bowdoin street, Box manufacturer.
Shriver, Chas. F., 209 Willow ave., Mgr. biscuit company.
Sibley, Lincoln H., 18 Greene street, Driver.
Simonds, Charles F., 86 Belmont street, Mechanic.
Simpson, Merton P., 155 Willow avenue, Furniture sales.
Singleton, Charles H., 17 Preston road, Jeweler.
Skelton, Daniel J., 10 Burnside avenue, Carpenter.
Skilton, Walter E., 7 Westminster street, Salesman.
Small, E. Wheeler, 76 Cedar street, Silk cutter.
Smith, Albert E., 15 1-2 Putnam street, Cooper.
Smith, Edgar A., 45 Cedar street, Asst. superintendent.
Smith, Edward P., 22 Windsor road, Clerk.
Smith, William, 13 Smith avenue, Cabinetmaker.
Snow, Herbert W., 199 Pearl street, Clerk.
Snow, John C. H., 60 Mt. Vernon st., Carpenter and bldr.
Snow, Walter H., 42 Derby street, Ice cream dealer.
Snow, William A., 17 Francesca avenue, Iron worker.
Soares, Jose X. P., 39 Lowell street, Barber.
Solomon, Charles D., 12 Berkeley street, Clerk.
Solomon, William H., 12 Berkeley street, Broker.
Soule, Horace W., 22 Loring street, Draughtsman.
Spaulding, Daniel B., 8 Hancock street, No occupation.
Spaulding, James R., 57 Chandler street, Merchant.
Spear, Harry A., 44 Bradley street, Manufacturer.
Spofford, William S., 17 Florence street, Teamster.
Sprague, Walter A., 50 Concord avenue, Telegrapher.
Stackpole, John, 242 Broadway, Carpenter.
Stacy, George W., 14 Madison street, Salesman.
Staples, Mendall G., 42 Prospect street, Teamster.
Starratt, John D., 1323 Broadway, Motorman.
Steele, Danforth S., 8 Leslie place, Foreman.
Stevens, Dudley L., 7 Francesca avenue, Salesman.
Stevens, Elmer A., 103 Liberty avenue, Salesman.
Stevens, Oliver A., 20 Putnam street, Engineer.

Stevenson, James W., 20-R Cross street, Railroad clerk.
 Stodder, George F., 20 Stickney avenue, Fish dealer.
 Stover, Alvra H., 13 Virginia street, Foreman.
 Strout, Charles O., 17 Flint street, Mason.
 Stuart, Lewis R., 21 Delaware street, Dry goods dealer.
 Studley, Stillman S., 130 Sycamore street, No occupation.
 Sturtevant, Richard H., 31 Walnut street, Beef dealer.
 Swain, Gideon W., 18 Bradley street, Provision salesman.
 Swain, Noah R., 17 Hathorn street, Tailor.
 Symonds, Irving F., 14 Greene street, Manager.

T

Taapken, John R., 227 Holland street, Grocery clerk.
 Tainter, Newell B., 46 Chester street, Bookkeeper.
 Tattan, Michael H., 458 Somerville avenue, Grocer.
 Taylor, Alvin, 15 Jaques street, Plumber.
 Teague, Charles I., 5 Pearson road, Steam gauge maker.
 Teele, Samuel F., 69 Curtis street, No occupation.
 Temple, Wilbur C., 11 Laurel street, Agent.
 Thayer, Herbert M., 87 Hancock street, Miller.
 Thiery, William O., 198 Summer street, Salesman.
 Thomas, Joseph M., 23 Stickney ave., Produce dealer.
 Thomas, Penrose F., 396 Medford street, Salesman.
 Thompson, Charles W., 27 Lake street, Musician.
 Thompson, Wm. H. J., 55 Concord avenue, Carpenter.
 Thompson, William J., 19 Shawmut street, Merchant.
 Thomson, Emerson, 10 Pinckney street, Clerk.
 Thurgood, Augustus, 42 Hudson st., Wall paper dealer.
 Thurston, Merton F., 67 Cedar street, Machinist.
 Tibbetts, Harris P., 31 Bradley street, Carpenter.
 Tidd, George E., 29 Sargent avenue, Art novelties maker.
 Tilden, Elmer E., 80 Porter street, Bookkeeper.
 Tilton, Elbridge A., 87 Temple street, Teamster.
 Timson, L. Edgar, 56 Mt. Vernon street, Clerk.
 Tinker, George R., 21 Oak street, Shipper.
 Titus, Anson M., 10 Raymond avenue, Bookkeeper.
 Titus, Franklin A., 34 Flint street, Real estate dealer.
 Tobin, John J., 27-A Putnam street, Shoe dealer.
 Tomfohrde, Richard, 216 Highland ave., Restaurant kpr.
 Tompkins, Charles H., 2 Austin street, No occupation.
 Toothaker, Charles W., 67 Pearl street, Milk dealer.
 Toothaker, Rolan H., 67 Pearl street, Milk dealer.
 Toppan, Arthur W., 209 Highland ave., Gas engine dlr.
 Torrens, William L., 255 Broadway, Wood turner.
 Touchet, Victor L., 88 Line street, Teamster.
 Towle, Fred W., 28 Josephine avenue, Conductor.
 Tracy, Albert A., 40 Hancock street, Salesman.
 Trauschke, Henry H., 25 Dell street, Clerk.
 Treadwell, Frank W., 20 Webster street, Teamster.
 Tribble, Hiram, 50 Chandler street, Salesman.
 Tripp, William A., 57 Rush street, Teamster.
 Tucker, George M., 148 Oxford street, Advertising agent.
 Tucket, Charles R., 104 Bartlett street, Inspector.
 Turner, George E., 27 Tufts street, Teamster.
 Tuttle, Fred A., 17 Lesley avenue, Hardware salesman.
 Tuttle, Herbert L., 22 Everett avenue, Clothing dealer.

U

Ulm, Albert A., 59 Preston road, Printer.
 Underhill, E. Howard, 99 Moreland st., Traveling sales.
 Upton, Henry J., 45 Florence street, Rubber worker.
 Upton, Samuel, 102 Glenwood road, Foreman.

V

Valentine, Paul R., 2 Bolton street, Clerk.
 Van Buren, John D., 19 Alston street, Carriage painter.
 Van Buskirk, Charles, 20 Prescott street, Wheelwright.
 Vanderslice, Isaac, 34 Wallace street, Clothing dealer.
 Varney, Charles A., 55 Chester st., Telephone inspector.
 Vickery, William J., 15 Quincy street, Paper box cutter.
 Vreeland, Edward B., 121 Central st., Coal & wood dlr.

W

Waitt, Ernest L., 61 Simpson avenue, Editor.
 Walker, George, 26 Wallace street, Salesman.
 Walker, Granville A., 9 Loring street, Painter.
 Walker, J. Edwin, 64 Temple street, Engineer.
 Walker, Thomas G., 5 Dell street, Foreman.
 Wanless, David, 21 Grove street, Salesman.
 Ward, Benjamin A., 22 Milton street, Tailor.
 Ware, Francis A., 54 Dartmouth street, Insurance agent.
 Warner, Charles S., 19 Chapel street, No occupation.
 Warren, Charles V., 17 Melvin street, Plumber.
 Waters, Harry G., 101 Orchard street, Clerk.
 Waters, Morgan, 11 Sanborn avenue, Insurance agent.
 Watson, Frank L., 21 Aldersey street, Paint dealer.
 Watson, Thomas J., 22 Chauncey avenue, Compositor.
 Watters, James, 41 Mystic avenue, Clerk.
 Watts, George A., 18 Maple avenue, Mechanic.
 Webber, Edward O., 77 Partridge avenue, Janitor.
 Webber, Herbert L., 70 Columbus avenue, Painter.
 Webber, Orrin H., 2 Wellington avenue, Carpenter.
 Weeks, Walter I., 36 Francesca avenue, Salesman.
 Welch, James T., 303 Highland avenue, Mason.
 Wemyss, George D., 29 Ames street, Woodworker.
 Wentworth, Frank H., 61 Dartmouth street, Salesman.
 Wentworth, Ransom D., 22 Flint street, Stable keeper.
 Weston, Charles F., 23 Conwell street, Bookbinder.
 Weston, Howard H., 50 Jaques street, Restaurant keeper.
 Wheeler, Charles J., 32 Mead street, Painter.
 Wheeler, Frank F., 11 Mossland street, Painter.
 Wheeler, Homer C., 16 Kidder avenue, Receiving clerk.
 Whitcomb, Seth H., 59 Summer street, Carpet cleaner.
 White, Christopher J., 38 Concord avenue, Clerk.
 White, Frank H., 14 Montgomery avenue, Map moulder.
 White, George H., 35 Meacham street, Machinist.
 White, J. Harvey, 411 Broadway, Agent.
 White, Maurice J., 52 Linwood street, Clerk.
 Whitney, James F., 40 Dartmouth street, Railroad acct.
 Whiton, Erastus, 12 Aldrich street, Clerk.
 Whiton, George F., 20 Otis street, Leather dealer.
 Whittimore, Arthur W., 153 Elm street, Photographer.
 Wholey, James, 25 Oak street, Laborer.
 Whouley, Michael F., 16 Clark street, Salesman.
 Wiggin, Walter S., 74 Walnut street, Clerk.
 Wilde, Waldo M., 15 Sartwell avenue, Lumber dealer.
 Wiley, Henry C., 75 Thurston street, Clerk.
 Wilkins, Samuel H., 19 Dover street, Beef dealer.
 Willey, Clarence H., 26 Dartmouth st., Hay & grain dlr.
 Williams, Charles C., 10 Oakland avenue, Manager.
 Williams, Charles H., 45 Union square, Carpenter.
 Williams, Ernest P., 1 Hillside avenue, Clerk.
 Williams, James, 166 Sycamore street, No occupation.

Williams, James A., 212-A Somerville avenue, Carpenter.
Williams, Paulinus F., 1 Hillside avenue, Lumber dealer.
Williams, Harry C., 168 Highland avenue, Flour sales.
Williston, Belvin T., 3 Monmouth street, Mech. engineer.
Willoughby, George T., 111 Central street, Builder.
Wilson, John R., 60 Albion street, Carpenter.
Wilson, Jonas W., 121 Prospect street, Teamster.
Winsor, Martin C., 65 Cross street, Iron salesman.
Winters, John M., 275 Washington street, Electrician.
Winters, William H., 275 Washington street, Teamster.
Wood, Charles, 25 Columbus avenue, Locksmith.
Wood, Herbert W., 30 Wallace street, Shell comb maker.
Wood, James, 40 Tower street, Locksmith.
Wood, Nelson, 36 Spencer avenue, Frame maker.
Woods, George H., 14-A Austin street, Agent.
Woodward, Herbert W., 13 School street, Clerk.
Wren, Maurice, 115 Cedar street, Meat cutter.
Wright, Walter H., 54 Vinal avenue, Manufacturer.
Wyatt, Charles B., 10 Linden avenue, Machinist.
Wyer, James C., 45 Pearl street, Fireman.
Wyman, Charles B., 67 Thurston st., Restaurant kpr.

Y

Yelland, Henry, 5 Munroe street, Shipper.
York, Ernest A., 10 Thorndike street, Baker.
Young, David, 372 Highland avenue, Blacksmith.
Young, Herbert L., 65 Franklin street, Clerk.
Young, Willis A., 49 Cedar street, Carpenter.
Yunker, Richard E., 9 Rossmore street, Wheelwright.

CITY GOVERNMENT AND OFFICERS FOR 1904.

Mayor.

LEONARD B. CHANDLER.

45 Jaques street.

Board of Aldermen.

President — JOSEPH S. PIKE.

Vice-President — HERBERT P. NICKERSON.

WARD ONE.

THOMAS T. M. SARGENT, Alderman-at-large	67 Myrtle street.
WILLIAM T. GILL	1 Dell street.
ELMER H. SPAULDING	44 Tufts street.

WARD TWO.

WILLIAM H. SMITH, Alderman-at-large	10 Emerson street.
WILLIAM A. FLAHERTY	261 Washington street.
JOSEPH P. PHILLIPS	8 Charlestown street.

WARD THREE.

JOSEPH S. PIKE, Alderman-at-large	53 Preston road.
WILLIAM F. BARKER	5 Putnam street.
LEONARD W. COLE	5 Homer square.

WARD FOUR.

HERBERT P. NICKERSON, Alderman-at-large	9 Edmands street.
HERBERT I. LAIGHTON	74 Flint street.
SIDNEY B. KEENE	56 Chauncey ave.

WARD FIVE.

JOHN J. HIGGINS, Alderman-at-large	10 Dartmouth street.
GEORGE S. LOVEJOY	167 Highland avenue.
JESSE S. NEWCOMB	106 Glenwood road.

WARD SIX.

DANIEL M. FRYE, Alderman-at-large	222 Highland avenue.
JOHN F. THOMPSON	599½ Somerville avenue.
FRANK D. WILKINS	275 Willow avenue.

WARD SEVEN.

WARREN C. DAGGETT, Alderman-at-large	49 College avenue.
FRENCH O. J. TARBOX	43 Victoria street.
WALTER A. DOW	15 Ware street.

City Clerk — GEORGE I. VINCENT.

Assistant City Clerk — FREDERIC W. COOK.

Regular meetings, second and fourth Thursday evenings of each month, at 8 o'clock.

Standing Committees of the Board of Aldermen.

ACCOUNTS. — Aldermen Thompson, Newcomb and Gill.

BONDS. — Aldermen Sargent, Phillips and Wilkins.

CITY ENGINEERING. — Aldermen Sargent, Wilkins and Dow.

CLAIMS. — The President, Aldermen Nickerson and Lovejoy.

ELECTIONS. — Aldermen Thompson, Spaulding and Phillips.

ELECTRIC LINES AND LIGHTS. — Aldermen Dow, Thompson, Newcomb, Cole and Spaulding.

FINANCE. — The President, Aldermen Frye, Daggett, Nickerson, Higgins, Sargent and Flaherty.

FIRE DEPARTMENT. — Aldermen Nickerson, Sargent, Daggett, Cole and Wilkins.

GRADE CROSSINGS. — Aldermen Frye, Lovejoy, Keene, Spaulding and Phillips.

HIGHWAYS. — Aldermen Higgins, Barker, Thompson, Dow, Keene, Flaherty and Gill.

LEGISLATIVE MATTERS. — The President, Aldermen Tarbox and Frye.

LICENSES. — Aldermen Higgins, Dow and Wilkins.

ORDINANCES AND RULES. — Aldermen Barker, Nickerson and Higgins.

POLICE. — The President, Aldermen Daggett and Smith.

PRINTING. — Aldermen Loughton, Tarbox and Spaulding.

PUBLIC GROUNDS. — Aldermen Frye, Tarbox, Newcomb, Keene and Phillips

PUBLIC PROPERTY. — Aldermen Barker, Loughton, Daggett, Lovejoy and Smith.

SEWERS. — Aldermen Tarbox, Loughton and Flaherty.

SPECIAL BUILDING PERMITS. — Aldermen Smith, Gill and Newcomb.

STATE AID AND SOLDIERS' RELIEF. — Aldermen Daggett, Nickerson and Cole.

WATER. — Aldermen Loughton, Lovejoy and Smith.

School Committee.

Chairman. — FREDERICK A. P. FISKE.

Vice-Chairman. — DANA W. BENNETT.

(Term, two years, except members ex-officiis.)

LEONARD B. CHANDLER, Mayor (*ex-officio), 45 Jaques street.

JOSEPH S. PIKE, Pres. Board of Aldermen (*ex-officio), 53 Preston road.

WARD ONE.

GEORGE S. POOLE (elected 1902), 46 Mt. Vernon street.

HENRY F. CURTIS (elected 1903), 145 Perkins street.

WARD TWO.

EDWARD J. FLYNN (elected 1902), 273 Washington street.

DANIEL H. BRADLEY (elected 1903), 19 Concord avenue.

WARD THREE.

DANA W. BENNETT (elected 1902), 41 Putnam street.

GEORGE E. WHITAKER (elected 1903), 75 Walnut street.

*Chapter 354 of the acts of the legislature of 1904, accepted by the voters of the city at the state election November 8, 1904.

WARD FOUR.

GEORGE W. W. WHITING (elected 1903), 282 Broadway.
WILLIAM P. JONES (elected 1902), 13-A Maple avenue.

WARD FIVE.

QUINCY E. DICKERMAN (elected 1903), 85 Central street.
J. WALTER SANBORN (elected 1902), 183 Central street.

WARD SIX.

FREDERICK A. P. FISKE (elected 1903), 44 Cherry street.
CHARLES H. HOOD (elected 1902), 2 Benton road.

WARD SEVEN.

HENRIETTA B. H. ATTWOOD (elected 1902), 18 Herbert street.
GEORGE C. MAHONEY (elected 1903), 415 Highland avenue.

Superintendent and Secretary. — GORDON A. SOUTHWORTH.
Office, City Hall Annex.

Hours: 8 A. M. to 12 M., and 1.30 to 5 P. M., except Saturdays;
Saturdays, 8 to 10 A. M.

Regular meetings, last Monday evening of each month, except July and August, when none are held, and December, when meeting is on last Friday.

Assessors.

(Term, three years.)

ALBERT B. FALES, Chairman (term expires 1907).
BENJAMIN F. THOMPSON (term expires 1905).
NATHAN H. REED (term expires 1906).
HARRY A. TRUE (term expires 1906).
JESSE J. UNDERHILL (term expires 1905).

ASSISTANT ASSESSORS.

(Term, one year.)

FRED B. CLAPP.
JOHN J. SHEERAN.

GEORGE E. ELLIOTT.
WALTER F. TURNER.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Board of Health.

(Term, two members, two years; one member, one year.)

ALLEN F. CARPENTER, Chairman (term expires 1906).
EDMUND S. SPARROW (term expires 1905).
WESLEY T. LEE, M. D. (term expires 1905).

Clerk. — WILLIAM P. MITCHELL.

Agent. — CALEB A. PAGE.

Superintendent Collection of Ashes and Offal. — EDGAR T. MAYHEW.

Inspector of Animals and Provisions. — CHARLES M. BERRY.

Inspector of Milk and Vinegar. — JULIUS E. RICHARDSON.

Bacteriologist. — FRANK L. MORSE, M. D.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Overseers of the Poor.

Office, City Hall Annex.

(Term, three years.)

EDWARD B. WEST, Chairman (term expires 1906).

ALBERT W. EDMANDS (term expires 1905).

HERBERT E. MERRILL (term expires 1907).

Agent. — CHARLES C. FOLSOM.*Secretary.* — CORA F. LEWIS.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

Registrars of Voters.

(Term, three years.)

CHARLES P. LINCOLN, Chairman (term expires 1907).

CHARLES E. PARKS (term expires 1905).

LEVI F. S. DAVIS (term expires 1906).

GEORGE I. VINCENT, City Clerk (term expires 1905).

Public Library Trustees.

(Term, three years.)

CHARLES A. WEST, Chairman (term expires 1907).

JOHN B. VIALI (term expires 1905).

EDWARD C. BOOTH (term expires 1907).

GEORGE W. PERKINS (term expires 1907).

J. FRANK WELLINGTON (term expires 1905).

IRVING G. HALL (term expires 1906).

HOWARD D. MOORE (term expires 1906).

FREDERICK W. PARKER (term expires 1906).

CHARLES S. SOULE (term expires 1905).

Librarian and Secretary. — SAM WALTER FOSS.

Library open 9 A. M. to 9 P. M., and the reading room Sundays 2 to 6 P. M.

City Clerk.

GEORGE I. VINCENT.

Assistant City Clerk. — FREDERIC W. COOK.

Office open: 8 A. M. to 4 P. M.; Saturdays, 8 A. M. to 12 M.

City Treasurer and Collector of Taxes.

JAMES F. BEARD.

Office open: 8 A. M. to 2 P. M.; Saturdays, 8 A. M. to 12 M.

City Messenger.

JAIRUS MANN.

Mayor's Secretary.

FRED E. WARREN.

City Solicitor.

FRANK W. KAAH,
50 State street, Boston.

City Auditor.

CHARLES S. ROBERTSON.

City Engineer.

ERNEST W. BAILEY.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

Clerk of Committees and Departments.

WILLIAM P. MITCHELL.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

Commissioner of Streets.

ASA B. PRICHARD.

Office hour : 9 A. M.

Commissioner of Public Buildings and Inspector of Buildings.

WALTER T. LITTLEFIELD.

Office open : 8 A. M. to 4 P. M., Saturdays, 8 A. M. to 12 M.

Inspector of Plumbing.

DUNCAN C. GREENE.

Office hour : 8 to 9 A. M.

Commissioner of Electric Lines and Lights.

EDWARD BACKUS.

Office hour : 8.30 to 9.30 A. M.

Water Commissioner.

FRANK E. MERRILL.

Office open : 8 A. M. to 4 P. M. ; Saturdays, 8 A. M. to 12 M.

Chief of Police.

MELVILLE C. PARKHURST.

Office, Police Building, Bow street.

Chief Engineer of the Fire Department.

JAMES R. HOPKINS.

Office, Central Fire Station, 261 Medford street.

City Physician.

ALVAH B. DEARBORN, M. D.,
34 Bow street.

Inspector of Milk and Vinegar.

JULIUS E. RICHARDSON,
310 Broadway.

Inspector of Animals and Provisions.

CHARLES M. BERRY,
60 Prescott street.

Inspector of Petroleum.

JAMES R. HOPKINS.
Office, Central Fire Station, 261 Medford street.

Sealer of Weights and Measures.

JOHN H. DUSSEAUT,
Office, City Hall Annex.

Office open: November 1 to March 31, inclusive, 9 A. M. to 12 M.; April 1 to October 31, inclusive, 9 A. M. to 12 M., Fridays and Saturdays only.

Fence Viewers.

LAMBERT M. MAYNARD,
90 Highland avenue.
CHARLES M. BERRY,
60 Prescott street.

Burial Agent.

UNDER REVISED LAWS, CHAPTER 79, SECTION 20.
JOHN H. DUSSEAUT,
42 Sargent avenue.

Constables.

GEORGE H. CARLETON.
EUGENE A. CARTER.
WINSLOW W. COFFIN.
THOMAS DAMERY.
JOHN M. DRISCOLL.
CHARLES L. ELLIS.
CHARLES C. FOLSOM.
PATRICK J. GARVIN.
WILLIAM D. HAYDEN.

FRANKLIN W. HOPKINS.
DENNIS KELLEY.
JOHN J. KENNEY.
JAIRUS MANN.
CHARLES B. PALMER.
MELVILLE C. PARKHURST.
ROBERT R. PERRY.
MALCOLM E. STURTEVANT.
CHARLES E. WOODMAN.

Measurers of Wood and Bark.

WILLIAM B. HOLMES,
317 Broadway.
OSCAR A. DYKENS,
34 Chestnut street.

Measurers of Grain.

EUGENE H. WARE.

JOHN CRAIG.

Public Weigher in Charge of City Scales, Union Square.

FULTON O'BRIEN.

3 Union square.

Weighers of Coal.

EDGAR H. BARKER.
 JEFFERSON D. CAMERON.
 JOHN H. CARPENTER.
 ALFRED B. CLARK.
 PATRICK COFFEY.
 HARRY A. CRAWFORD.
 HOWARD H. DAVENPORT.
 FRED C. DINSMORE.
 CHARLES F. DOHERTY.
 THOMAS A. DUNLAP.
 AMHERST F. DURKEE.
 OSCAR A. DYKENS.
 JOEL J. FISHER.
 PHILIP F. FITZPATRICK.
 FRANK H. FREEMAN.
 CHARLES T. GARLAND.
 WILLIAM E. GERRISH.
 CHARLES W. GOODWIN.
 JOHN H. GRAY.
 STEPHEN M. G. HALE.
 JAMES HAYDEN.
 AGNES HELLEN.
 IDA C. HOULIHAN.
 GRACE ABBIE HURD.
 DANIEL W. HURLEY.
 CHARLOTTE L. HUTCHINSON.
 FRED M. HUTCHINSON.
 CHARLES H. JEWELL.

JOHN MACDONALD.
 HERBERT B. MAGOWN.
 JOHN A. MARSH.
 JOHN J. MASTERS.
 JOHN W. MCIVER.
 HENRY T. MCLEAN.
 FRANK T. MCMAHON.
 JOHN J. MCMAHON.
 GEORGE H. MOORE.
 STEPHEN M. MORAN.
 FRED W. PERKINS.
 JOHN PEVERADA.
 CHARLES W. PORTER.
 T. FRED PRESTON, JR.
 GEORGE H. REED.
 LOTTIE L. RICE.
 CHARLES E. ROCKWELL.
 EDWIN R. SHORT.
 ABRAM SIMON.
 JAMES W. STEVENSON.
 WILLIAM C. STICKLE.
 FRANK A. TEELE.
 WILLIAM J. THOMPSON.
 ALFRED A. WALDRON.
 ELIZABETH M. WALLACE.
 THOMAS WALSH.
 CHARLES H. WARD.
 ALDEN P. WILLEY.

LUCIAN L. WOODMAN.

Weighers of Beef.

OLIVER S. BRYANT.
 JESSE W. CHASE.
 GEORGE M. CHISHOLM.
 ALFRED G. DYMOND.
 FREDERICK A. GEILING.
 CHESTER G. HALL.
 JOHN J. HARRIGAN.

WENDELL B. HORTON.
 DANIEL MAHONEY.
 REUBEN W. MEAD.
 JOHN T. QUINN.
 ROBERT E. SMITH.
 WALTER M. TOWER.
 EDWARD M. WHEELER.

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